

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054116.D
 Acq On : 6 Mar 2019 13:11
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Mar 07 05:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	555589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1002754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	943086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	327625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	343717	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.59	113	321072	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.09	98	1252390	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	402685	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1150	0.245	ug/l #	79
15) Acrylonitrile	5.00	53	1252	0.546	ug/l #	43
16) Acetone	3.81	43	535	0.259	ug/l #	42
17) Carbon Disulfide	4.05	76	5984	0.342	ug/l	99
18) Methyl Acetate	4.33	43	2301	0.437	ug/l #	63
20) Methylene Chloride	4.54	84	1809	0.276	ug/l	84
21) trans-1,2-Dichloroethene	5.05	96	1880	0.319	ug/l #	76
25) 2-Butanone	6.85	43	1512	0.553	ug/l #	50
31) Cyclohexane	7.66	56	10242	0.837	ug/l #	1
38) Carbon Tetrachloride	7.66	117	50024	5.567	ug/l #	16
43) Isopropyl Acetate	8.26	43	34372	3.277	ug/l #	53
44) Trichloroethene	8.84	130	1594	0.213	ug/l	81
49) 1,4-Dioxane	9.22	88	806	11.777	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	6971	1.160	ug/l	95
52) Toluene	10.16	92	3494	0.212	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	686	0.206	ug/l #	67
59) 2-Hexanone	10.75	43	10591	2.672	ug/l	91
64) Tetrachloroethene	10.63	164	2505	0.324	ug/l #	91
65) Chlorobenzene	11.44	112	6965	0.355	ug/l #	88
67) Ethyl Benzene	11.51	91	8071	0.246	ug/l	97
68) m/p-Xylenes	11.62	106	6721	0.542	ug/l	98
69) o-Xylene	11.95	106	3128	0.262	ug/l	98
70) Styrene	11.97	104	6215	0.328	ug/l	94
73) Isopropylbenzene	12.25	105	8274	0.317	ug/l	97
74) N-amyI acetate	12.07	43	6873	0.995	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	193182	37.713	ug/l #	100
77) Bromobenzene	12.53	156	4292	0.639	ug/l	83
78) n-propylbenzene	12.59	91	16921	0.577	ug/l	100
79) 2-Chlorotoluene	12.68	91	9604	0.539	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	9513	0.449	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	193182	118.819	ug/l #	11
82) 4-Chlorotoluene	12.77	91	12866	0.724	ug/l	100
83) tert-Butylbenzene	12.99	119	8699	0.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	10689	0.508	ug/l	94

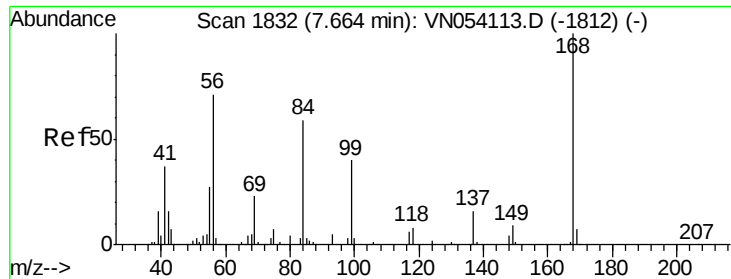
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	15121	0.594	ug/l	99
86) p-Isopropyltoluene	13.29	119	13275	0.620	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	10842	0.950	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	10842	0.958	ug/l	97
89) n-Butylbenzene	13.62	91	21834	1.208	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	10827	0.953	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	504	0.530	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	15113	2.788	ug/l	100
94) Hexachlorobutadiene	15.01	225	8291	2.040	ug/l	98
95) Naphthalene	15.13	128	33380	2.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	18848	3.454	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

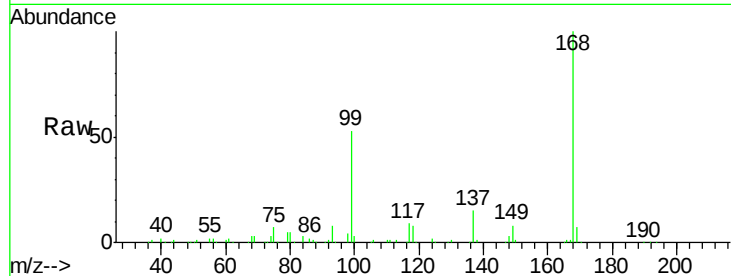
I.BLK

Tgt Ion:168 Resp: 55589

Ion Ratio Lower Upper

168 100

99 52.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

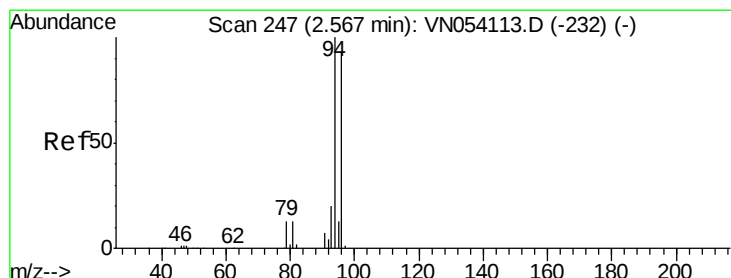
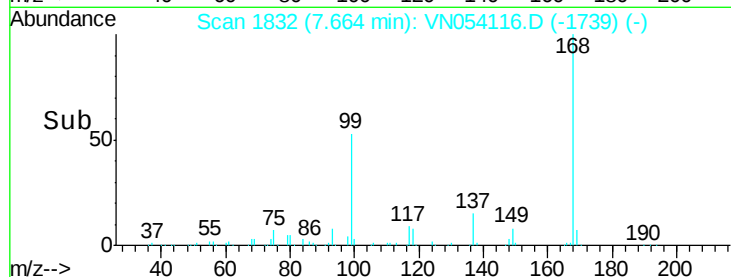
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.245 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054116.D

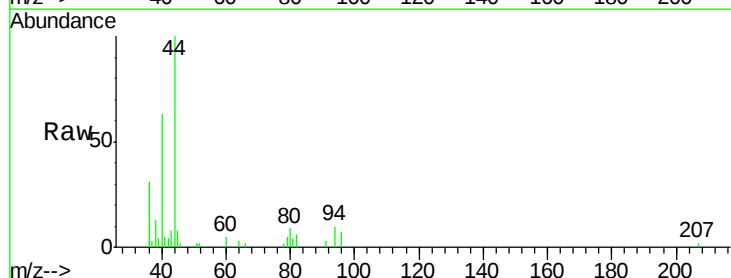
Acq: 6 Mar 2019 13:11

Tgt Ion: 94 Resp: 1150

Ion Ratio Lower Upper

94 100

96 72.2 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

600

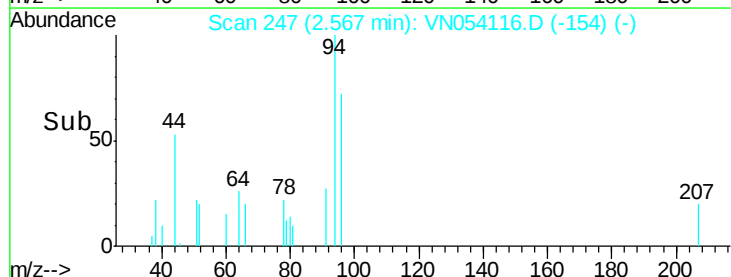
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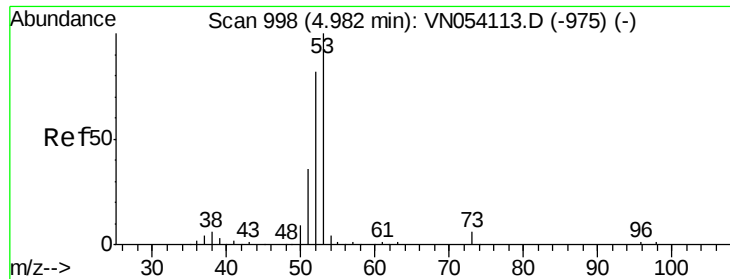
200

0

2.52 2.54 2.56 2.58 2.60

Time-->





#15

Acrylonitrile

Concen: 0.546 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.02 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

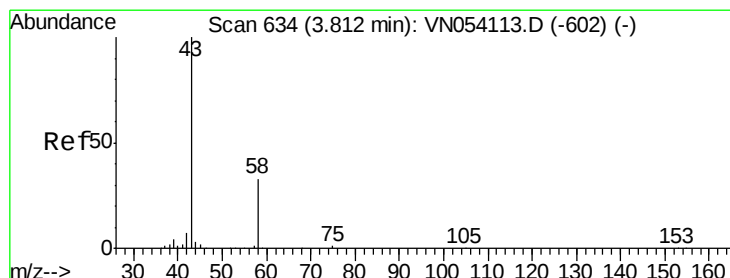
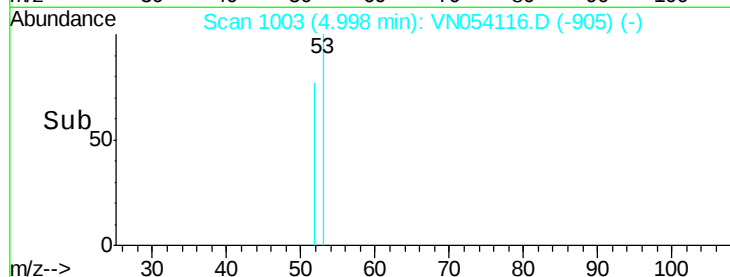
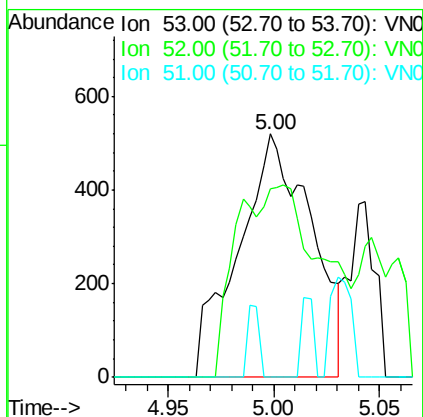
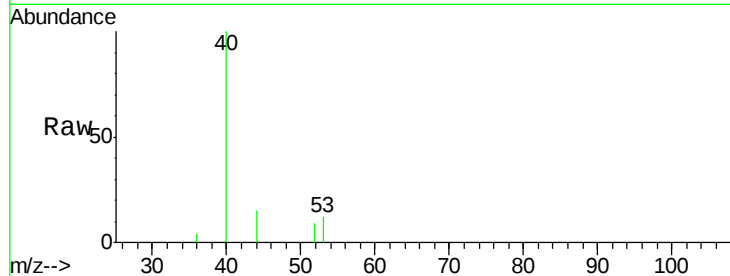
Tgt Ion: 53 Resp: 1252

Ion Ratio Lower Upper

53 100

52 28.1 64.6 97.0#

51 4.7 28.6 42.8#



#16

Acetone

Concen: 0.259 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN054116.D

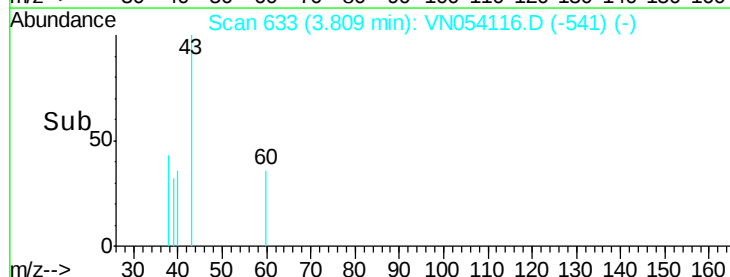
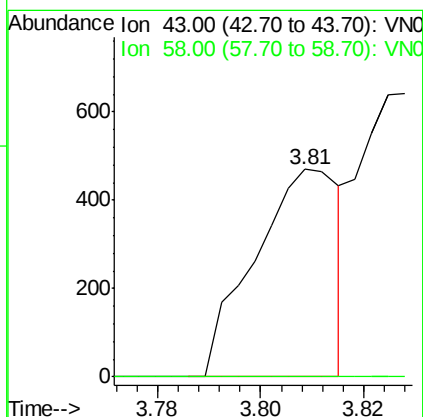
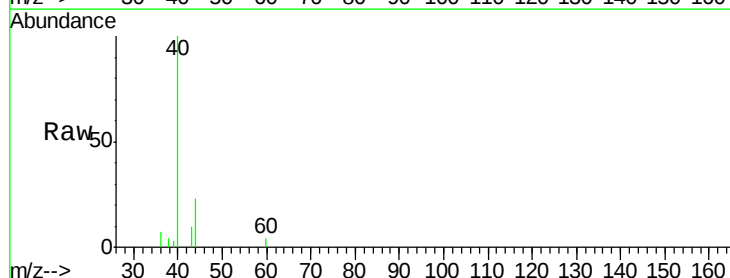
Acq: 6 Mar 2019 13:11

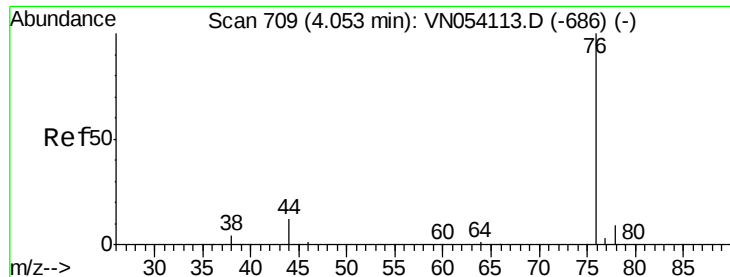
Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

58 0.0 26.5 39.7#





#17

Carbon Disulfide

Concen: 0.342 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

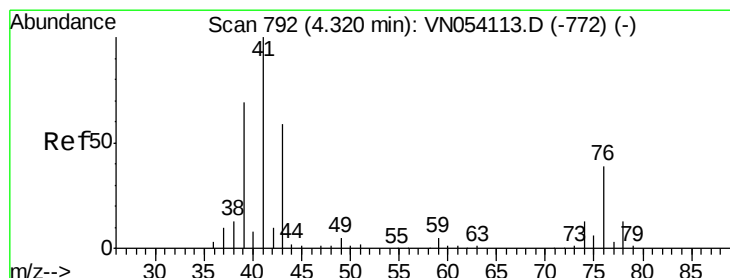
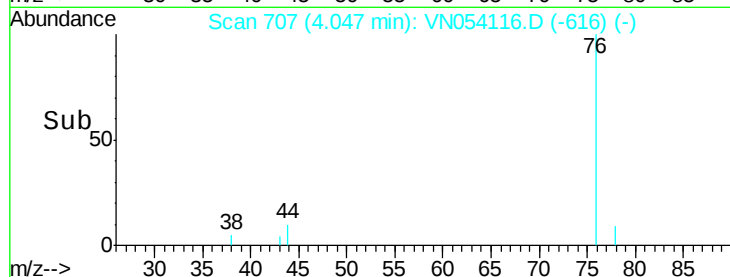
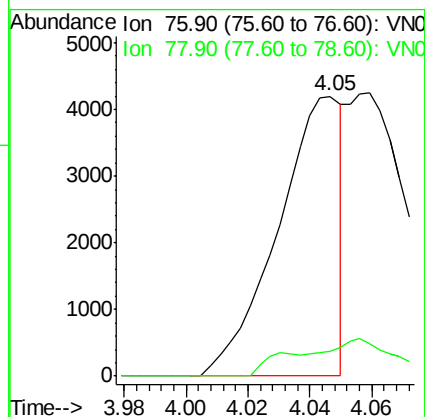
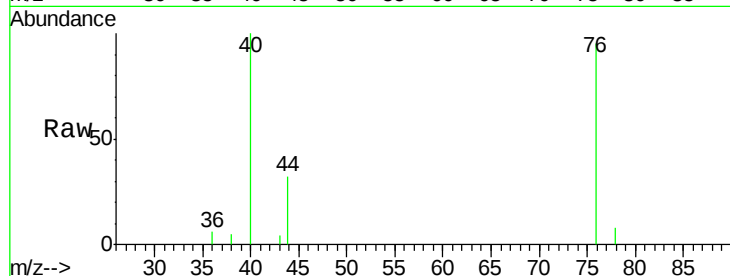
I.BLK

Tgt Ion: 76 Resp: 5984

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



#18

Methyl Acetate

Concen: 0.437 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN054116.D

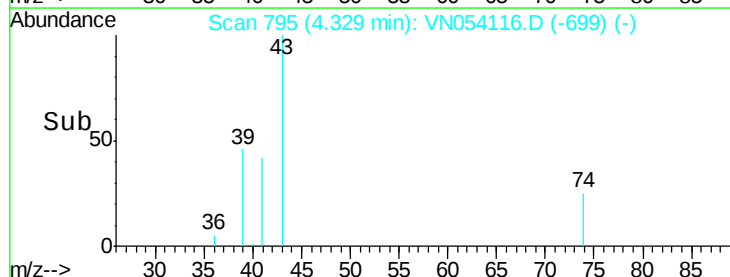
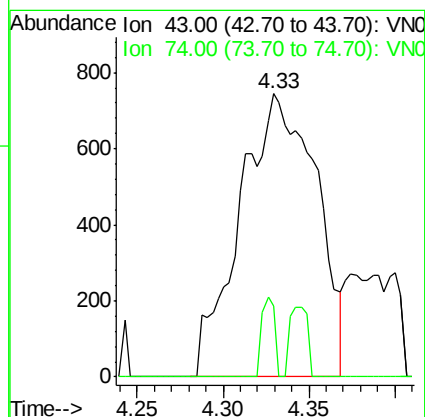
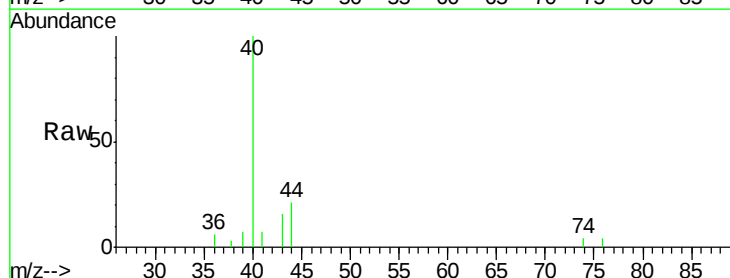
Acq: 6 Mar 2019 13:11

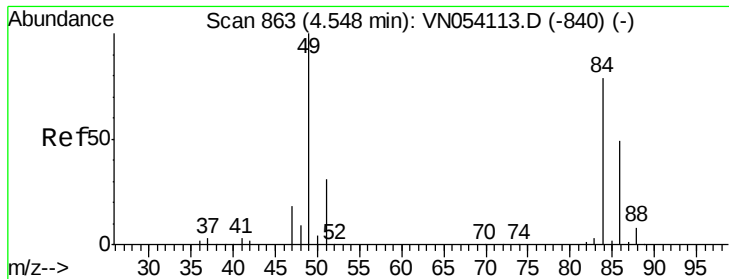
Tgt Ion: 43 Resp: 2301

Ion Ratio Lower Upper

43 100

74 4.7 18.2 27.2#





#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tgt Ion: 84 Resp: 1809

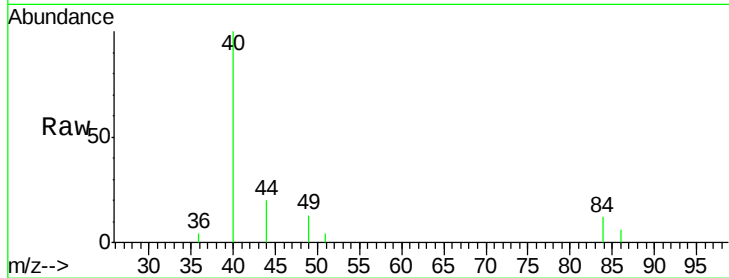
Ion Ratio Lower Upper

84 100

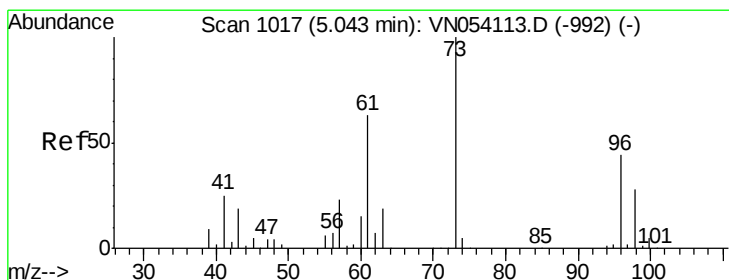
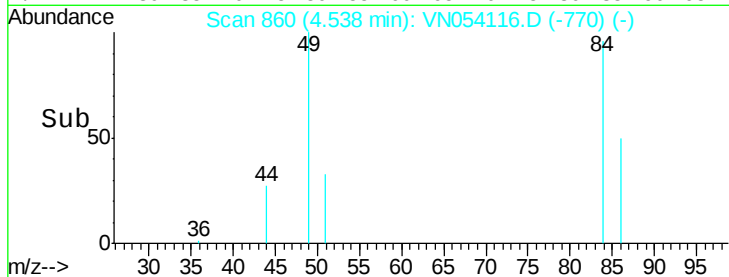
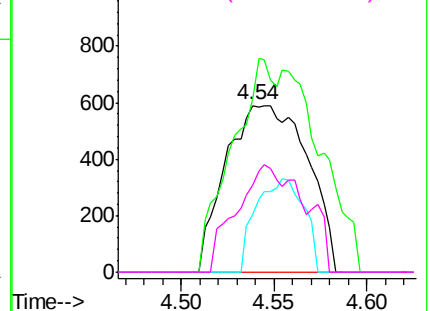
49 103.9 101.8 152.8

51 34.2 31.1 46.7

86 52.1 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO



#21

trans-1,2-Dichloroethene

Concen: 0.319 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

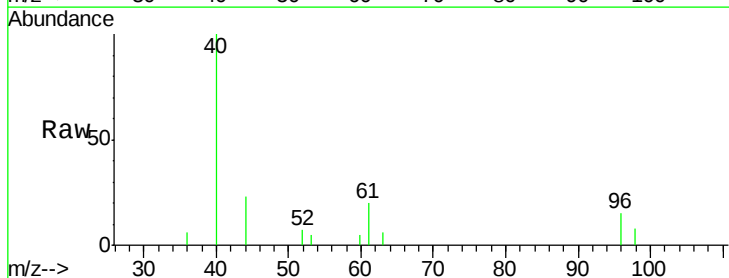
Tgt Ion: 96 Resp: 1880

Ion Ratio Lower Upper

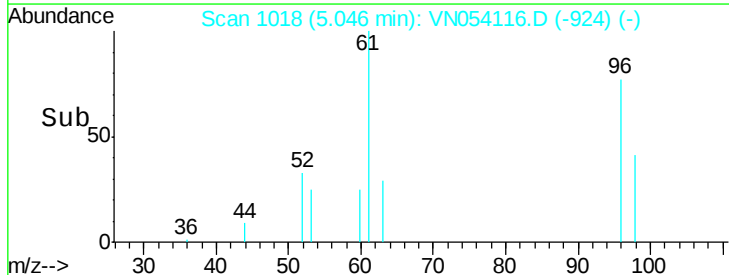
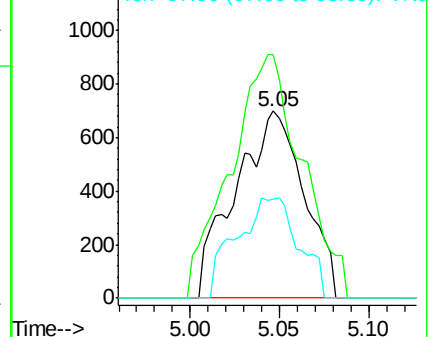
96 100

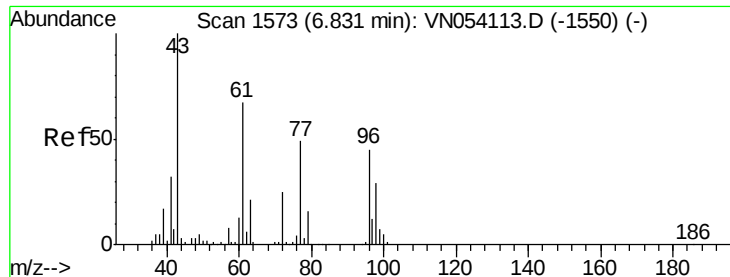
61 107.6 114.8 172.2#

98 53.0 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

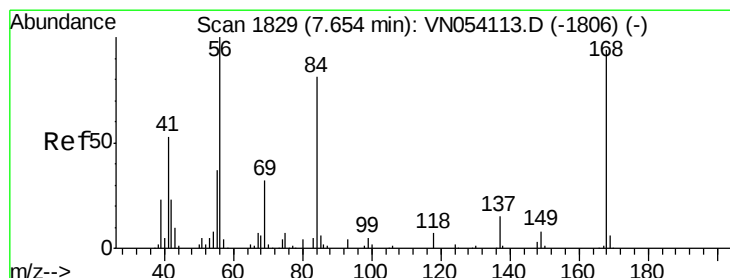
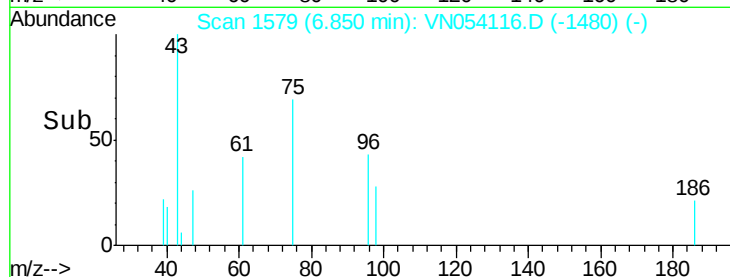
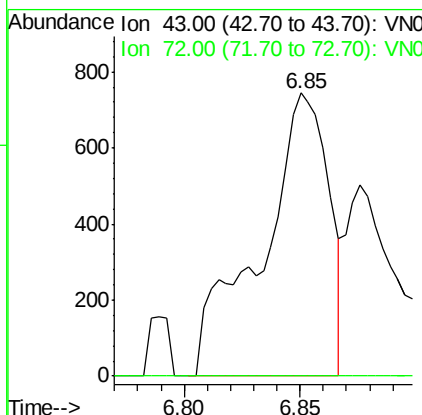
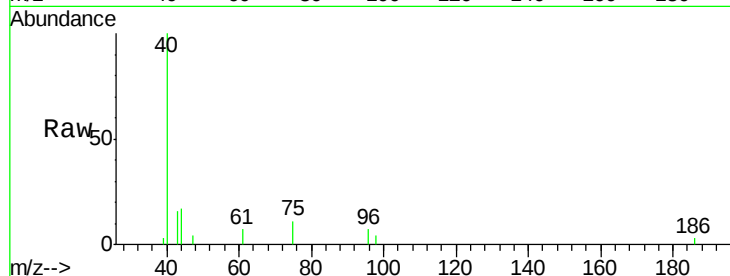




#25
2-Butanone
Concen: 0.553 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

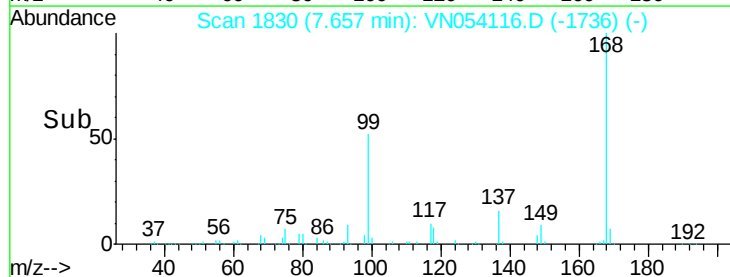
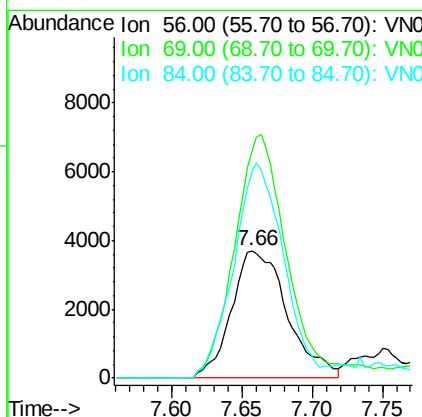
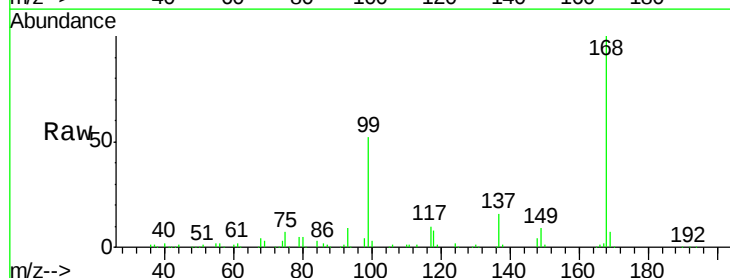
Instrument :
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I.BLK

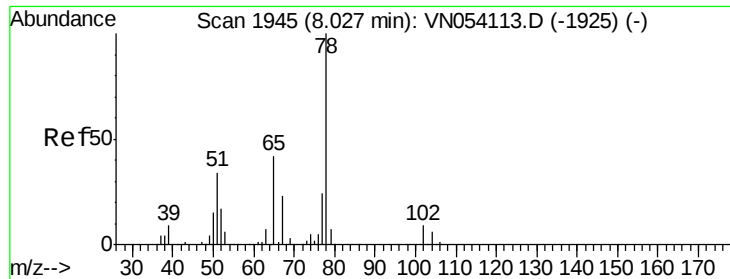
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 0.837 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion: 56 Resp: 10242
Ion Ratio Lower Upper
56 100
69 179.6 25.5 38.3#
84 163.7 64.5 96.7#

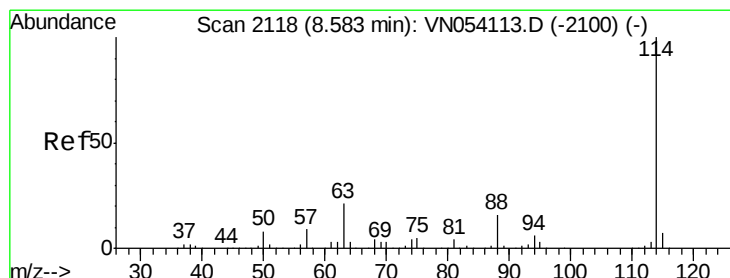
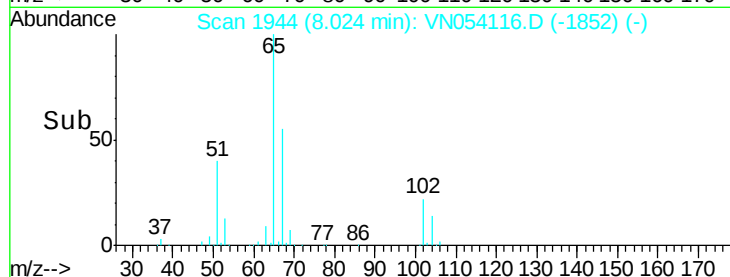
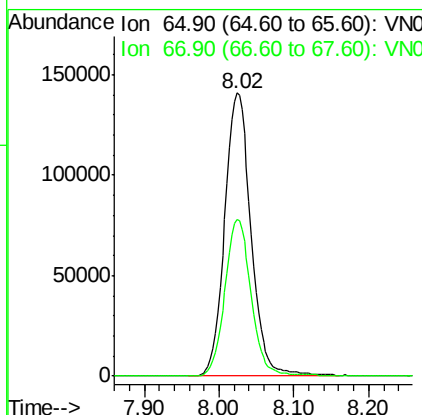
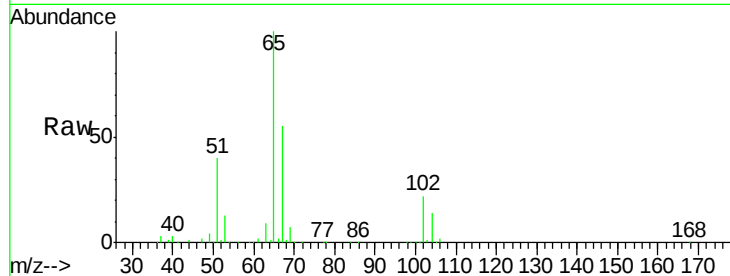




#33
 1,2-Dichloroethane-d4
 Concen: 51.513 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

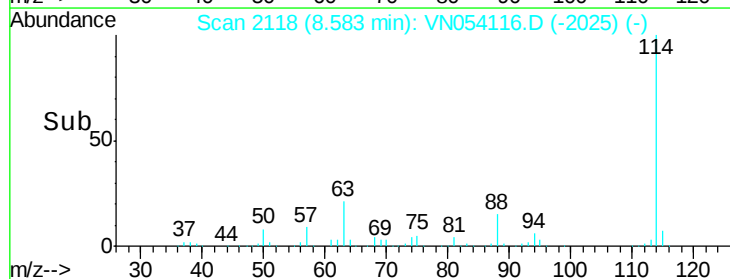
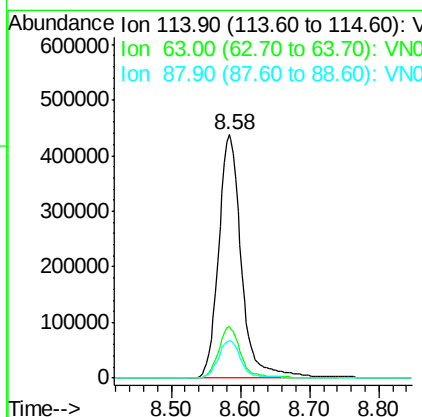
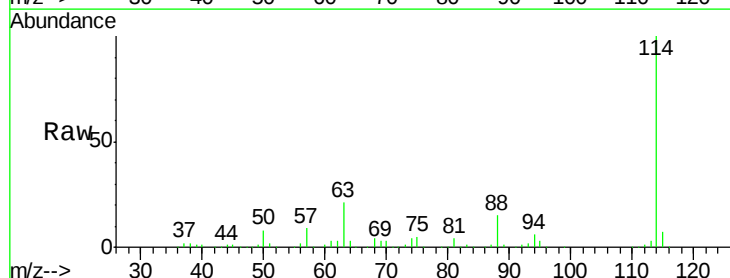
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

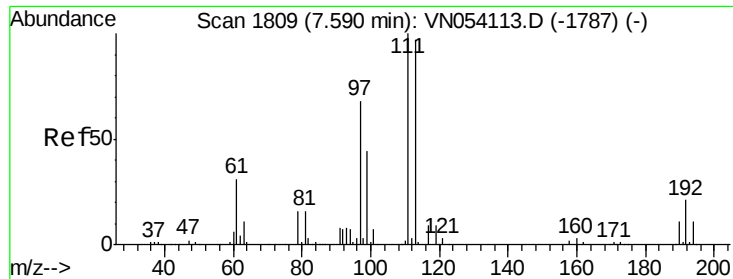
Tgt Ion: 65 Resp: 343717
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion: 114 Resp: 1002754
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 15.5 0.0 31.8

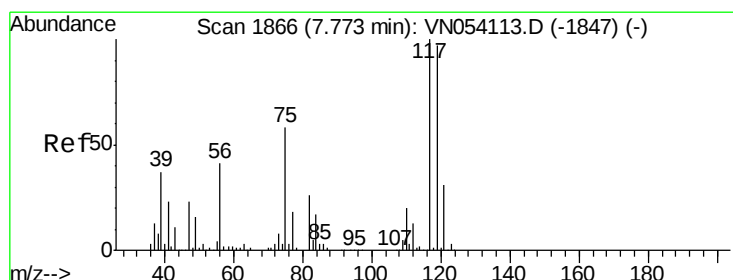
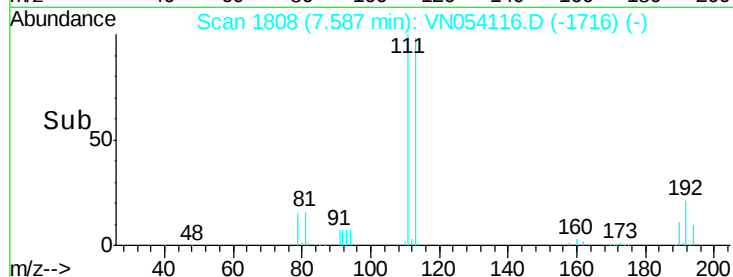
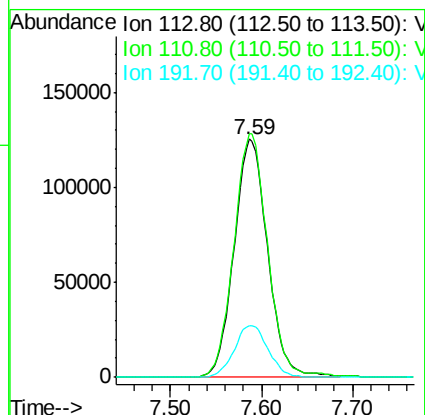
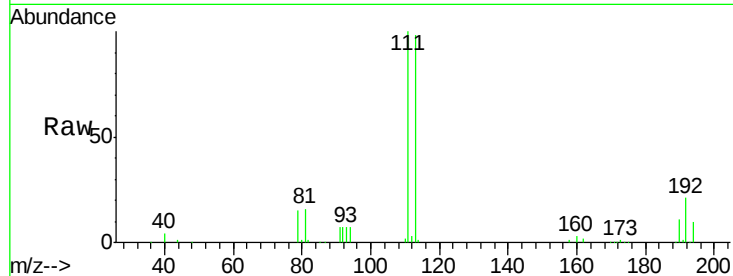




#35
Dibromofluoromethane
Concen: 49.299 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

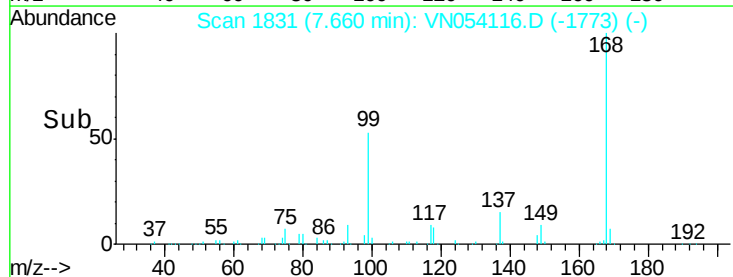
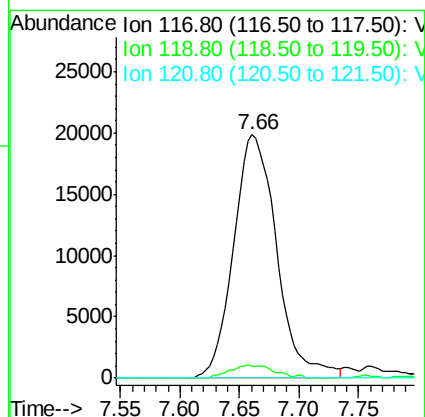
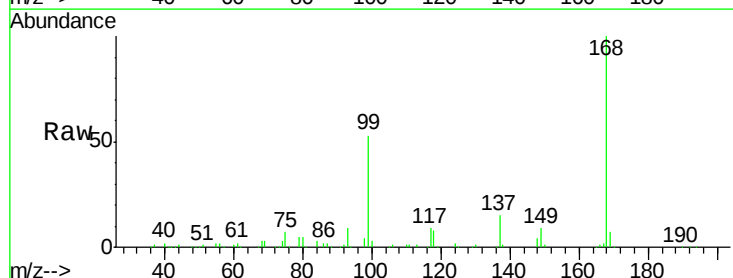
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

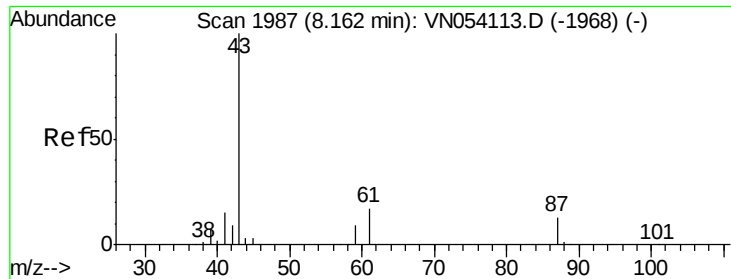
Tgt Ion:113 Resp: 321072
Ion Ratio Lower Upper
113 100
111 101.4 82.1 123.1
192 21.8 17.4 26.0



#38
Carbon Tetrachloride
Concen: 5.567 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion:117 Resp: 50024
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: 3.277 ug/l

RT: 8.26 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

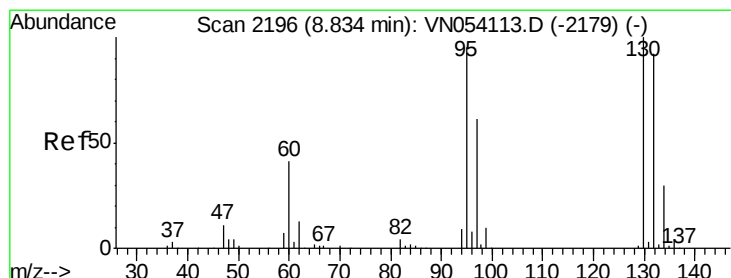
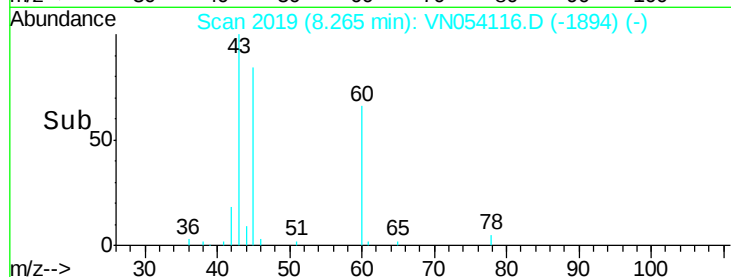
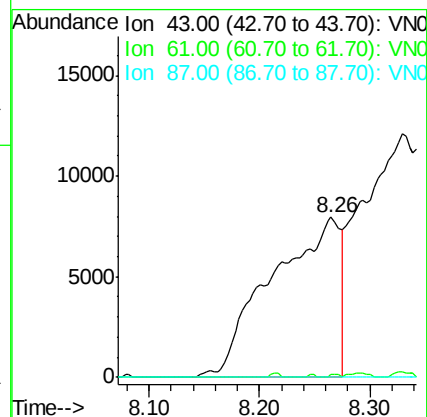
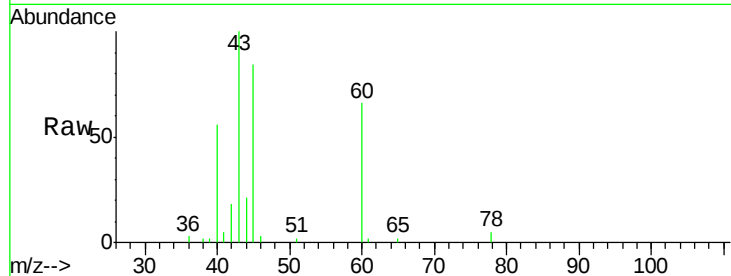
Tgt Ion: 43 Resp: 34372

Ion Ratio Lower Upper

43 100

61 0.0 22.5 33.7#

87 0.0 10.1 15.1#



#44

Trichloroethene

Concen: 0.213 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054116.D

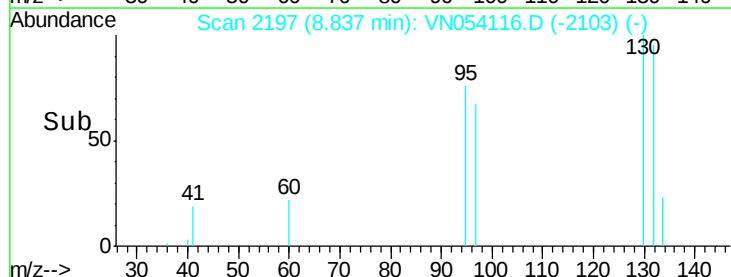
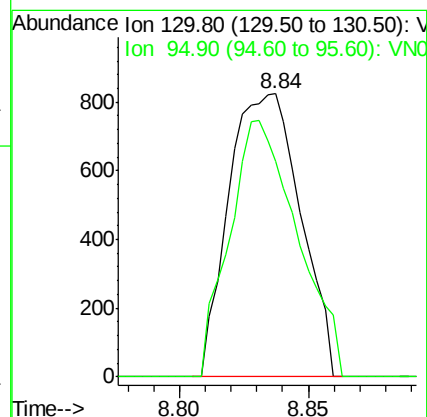
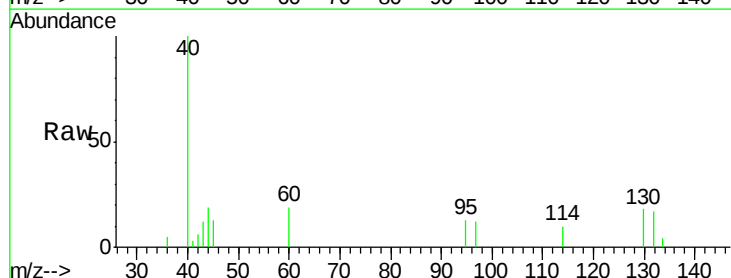
Acq: 6 Mar 2019 13:11

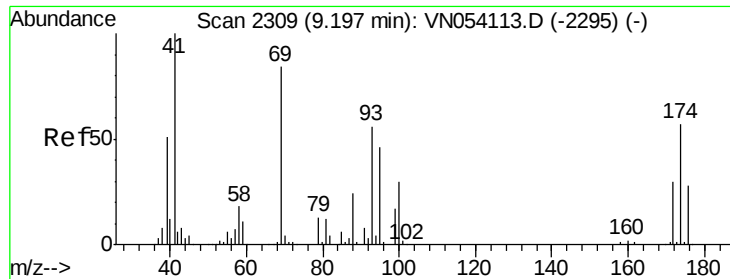
Tgt Ion: 130 Resp: 1594

Ion Ratio Lower Upper

130 100

95 76.2 0.0 189.4

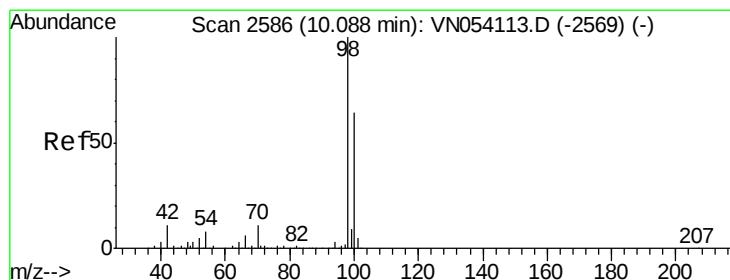
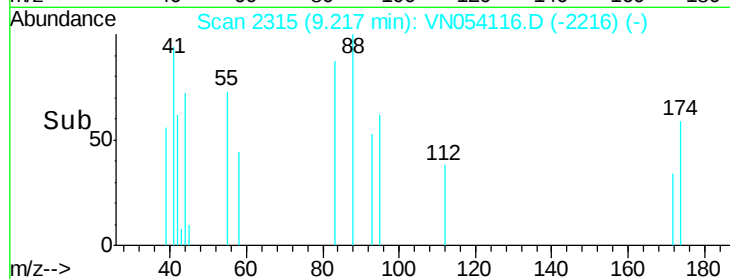
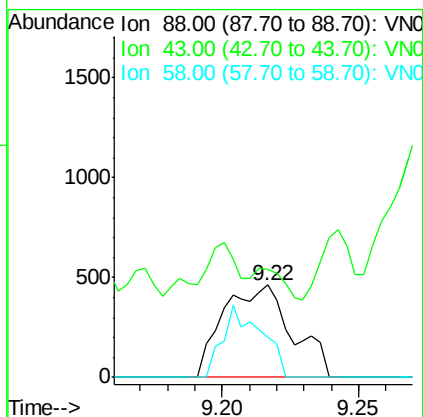
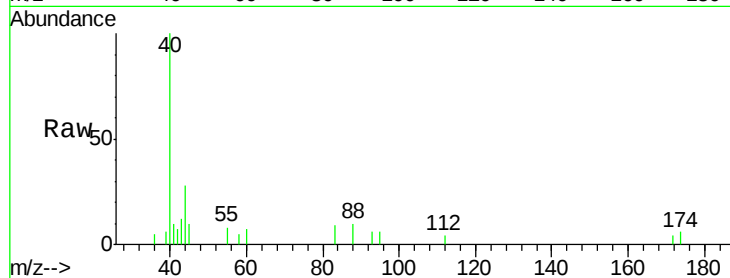




#49
 1,4-Dioxane
 Concen: 11.777 ug/l
 RT: 9.22 min Scan# 2315
 Delta R.T. 0.02 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

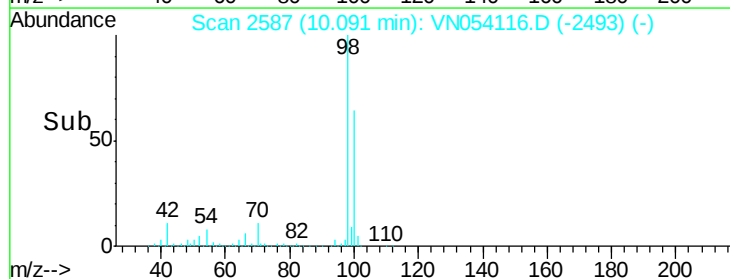
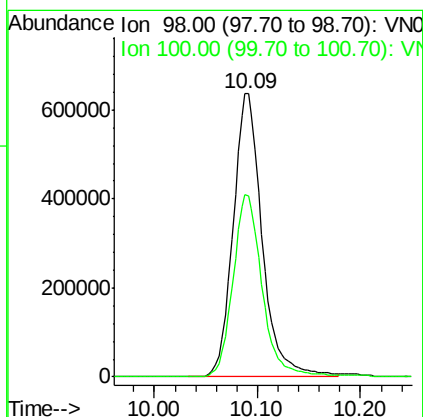
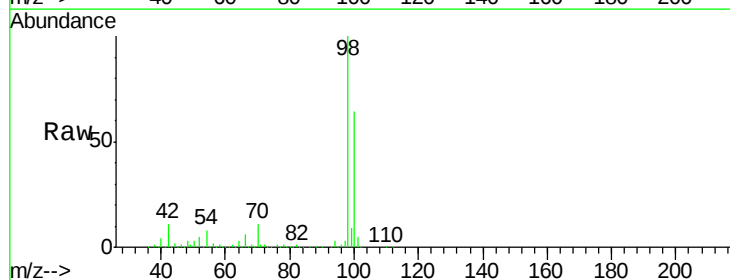
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

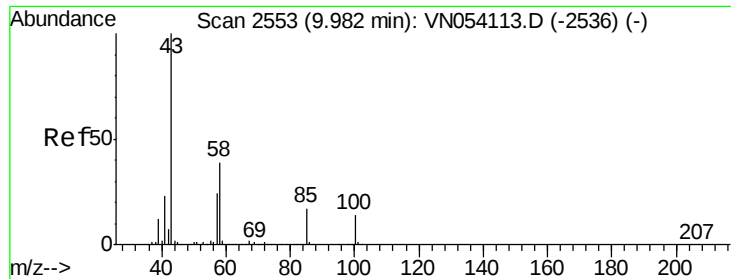
Tgt Ion: 88 Resp: 806
 Ion Ratio Lower Upper
 88 100
 43 30.8 25.5 38.3
 58 43.8 58.3 87.5#



#50
 Toluene-d8
 Concen: 50.640 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion: 98 Resp: 1252390
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5

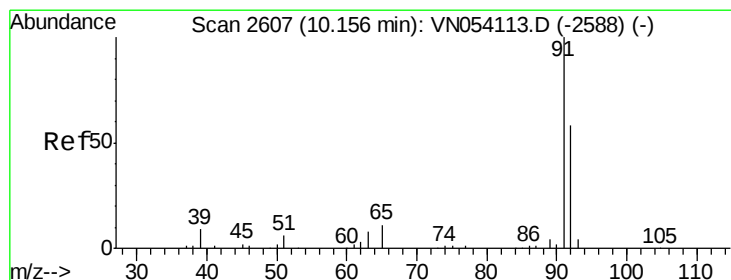
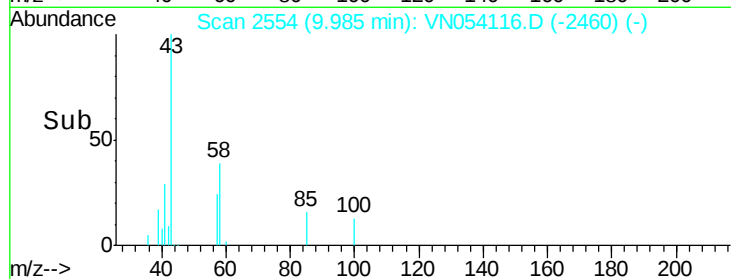
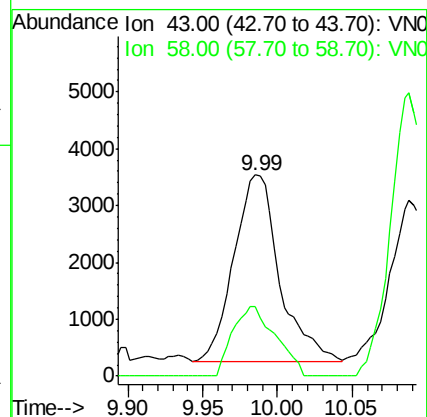
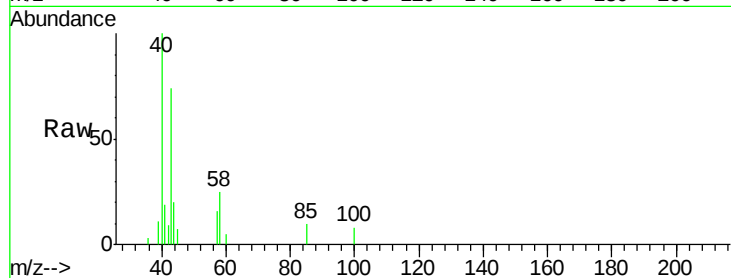




#51
4-Methyl-2-Pentanone
Concen: 1.160 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

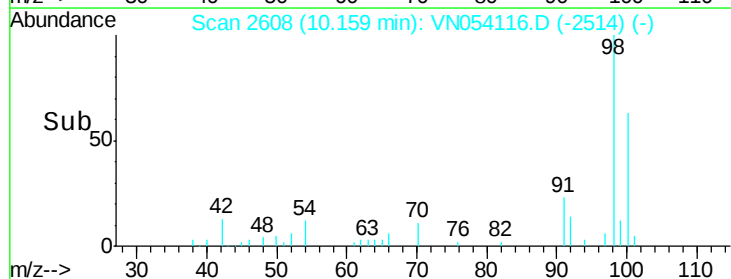
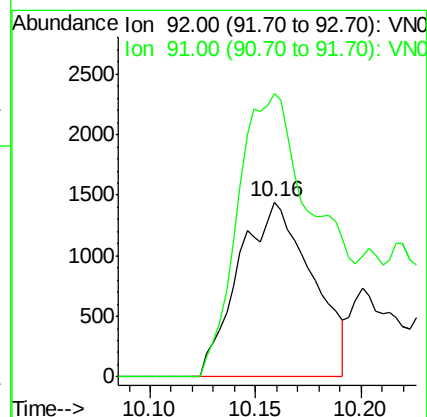
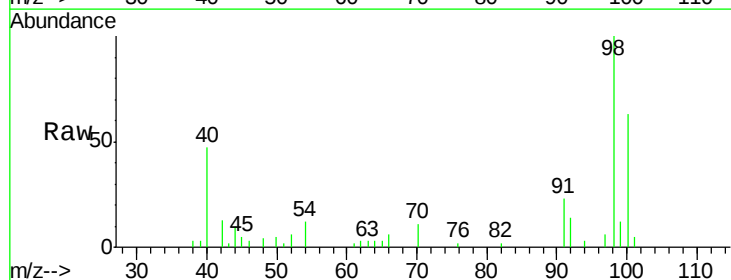
Instrument :
MSVOA_N
ClientSampled :
I.BLK

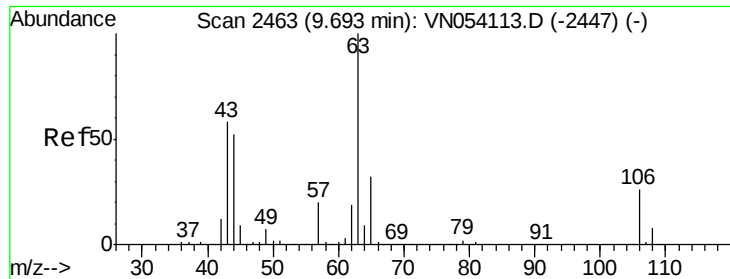
Tgt Ion: 43 Resp: 6971
Ion Ratio Lower Upper
43 100
58 35.2 30.8 46.2



#52
Toluene
Concen: 0.212 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion: 92 Resp: 3494
Ion Ratio Lower Upper
92 100
91 178.8 139.0 208.6

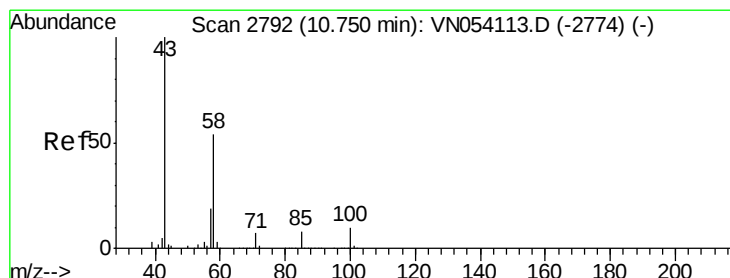
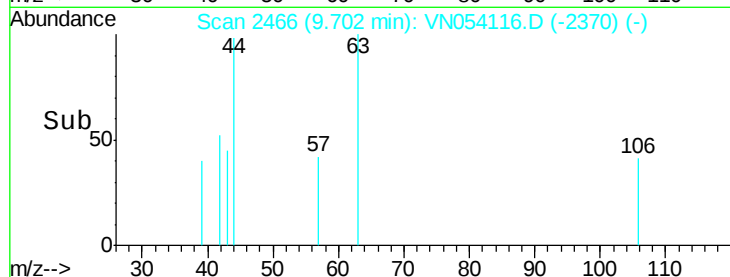
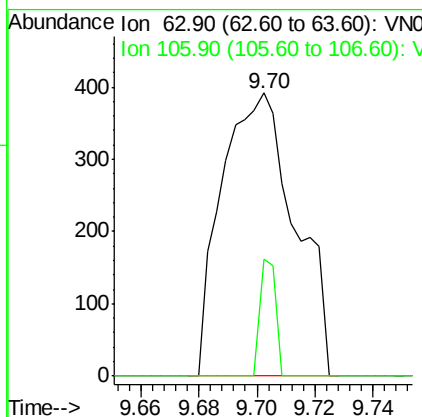
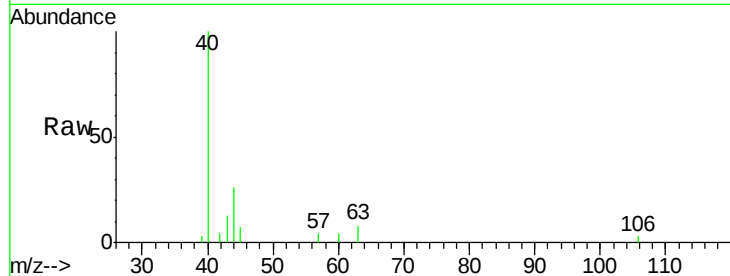




#58
2-Chloroethyl Vinyl ether
Concen: 0.206 ug/l
RT: 9.70 min Scan# 2466
Delta R.T. 0.01 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

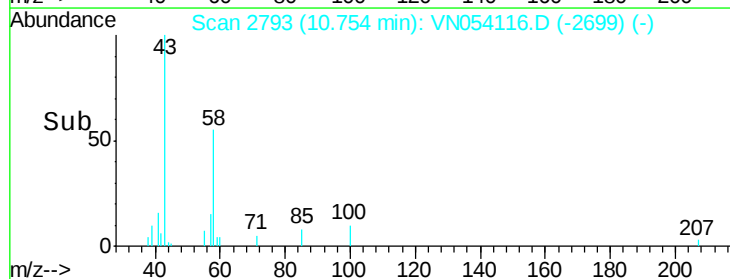
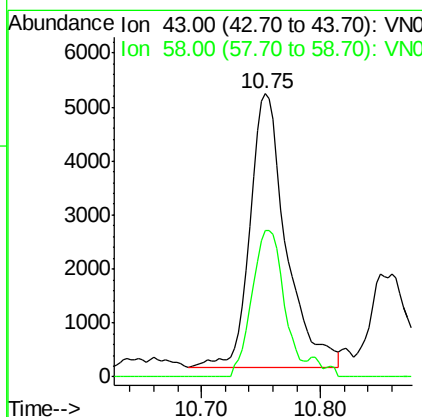
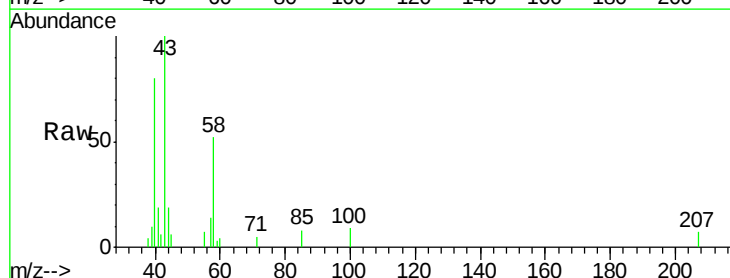
Instrument :
MSVOA_N
ClientSampled :
I.BLK

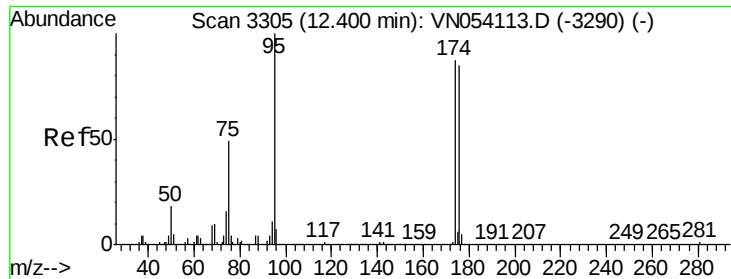
Tgt Ion: 63 Resp: 686
Ion Ratio Lower Upper
63 100
106 8.7 20.2 30.2#



#59
2-Hexanone
Concen: 2.672 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion: 43 Resp: 10591
Ion Ratio Lower Upper
43 100
58 47.6 27.0 81.0





#62

4-Bromofluorobenzene

Concen: 50.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

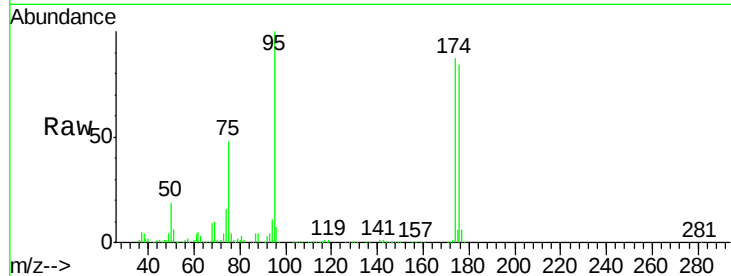
Tgt Ion: 95 Resp: 402685

Ion Ratio Lower Upper

95 100

174 88.0 0.0 173.2

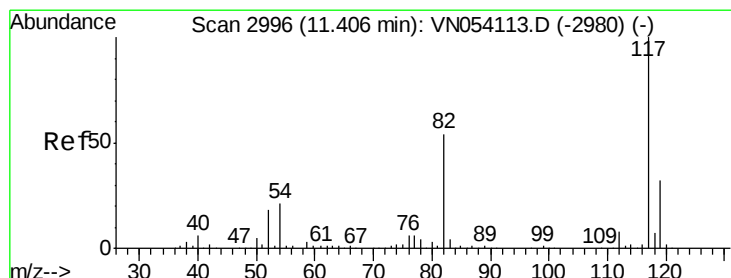
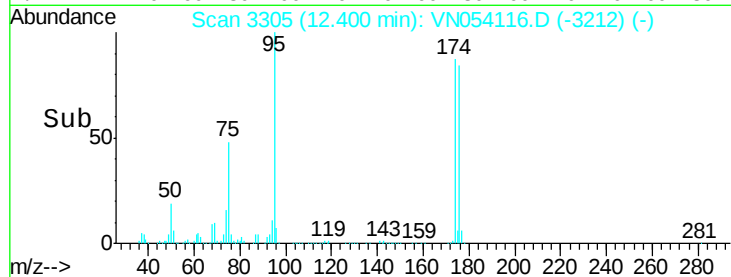
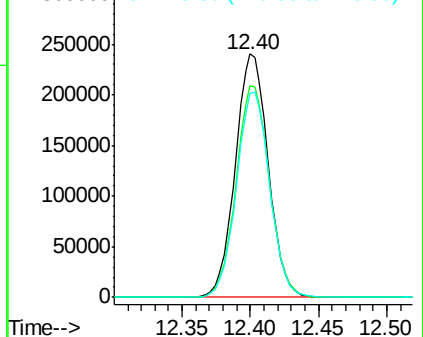
176 84.9 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

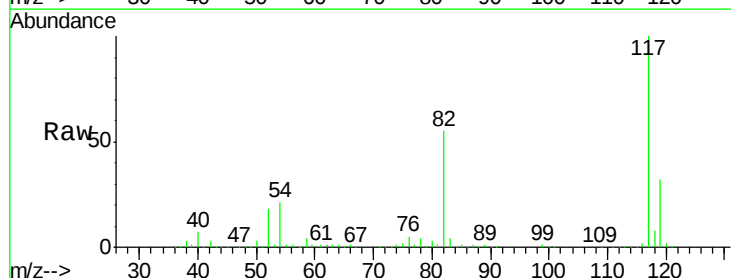
Tgt Ion: 117 Resp: 943086

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.2

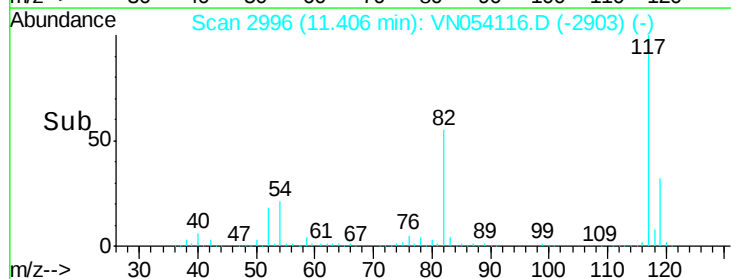
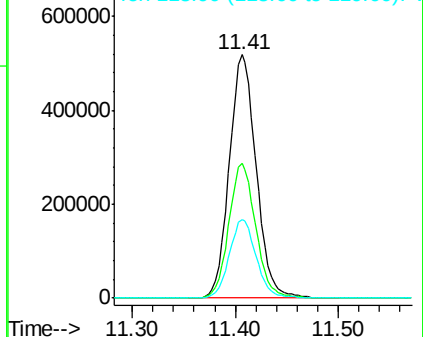
119 32.5 26.0 39.0

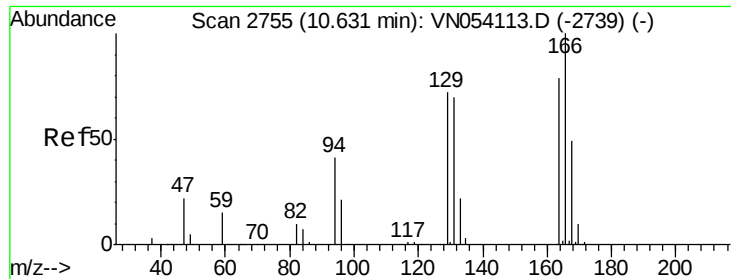


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

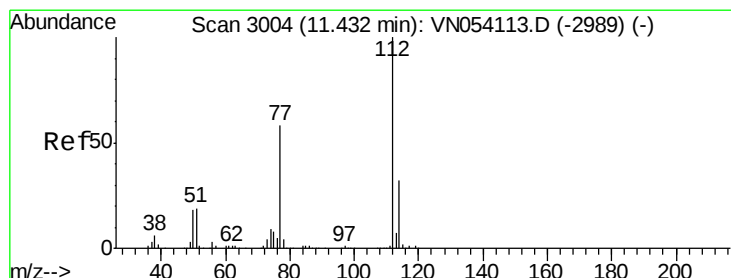
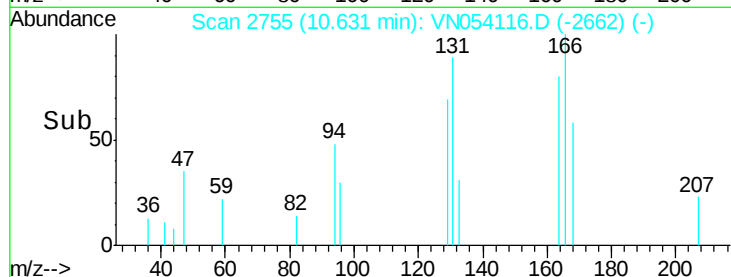
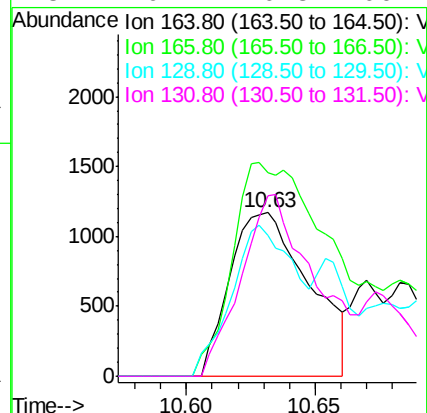
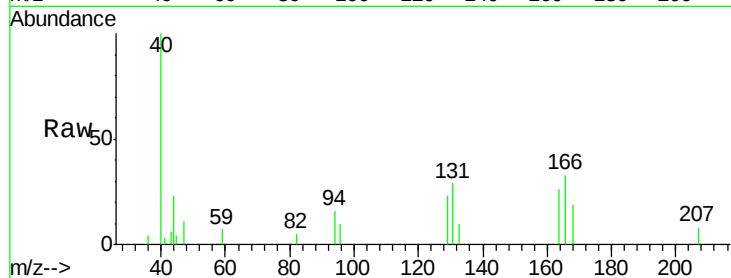




#64
Tetrachloroethene
Concen: 0.324 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

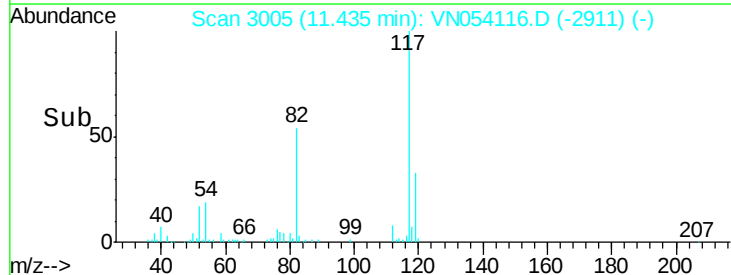
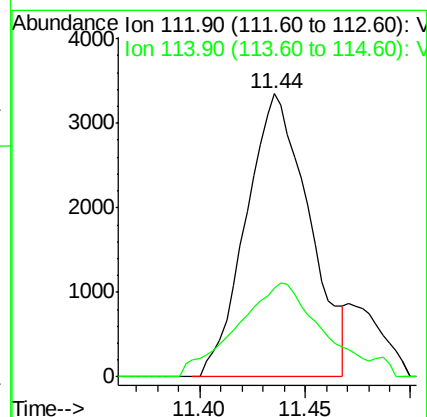
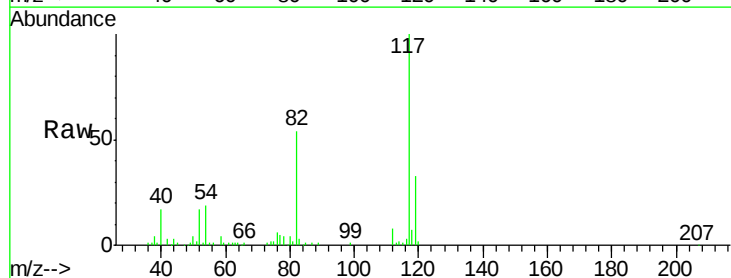
Instrument :
MSVOA_N
ClientSampled :
I.BLK

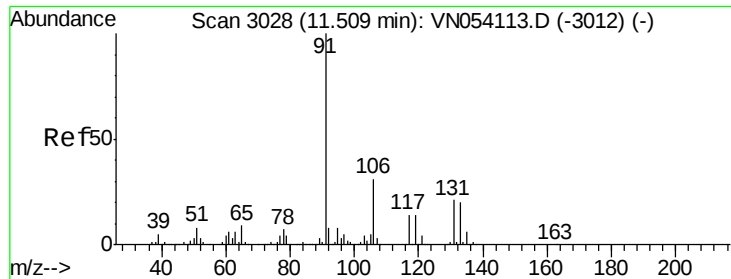
Tgt Ion:164 Resp: 2505
Ion Ratio Lower Upper
164 100
166 124.7 101.3 151.9
129 86.1 73.2 109.8
131 110.4 70.8 106.2#



#65
Chlorobenzene
Concen: 0.355 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion:112 Resp: 6965
Ion Ratio Lower Upper
112 100
114 25.1 25.4 38.0#





#67

Ethyl Benzene

Concen: 0.246 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

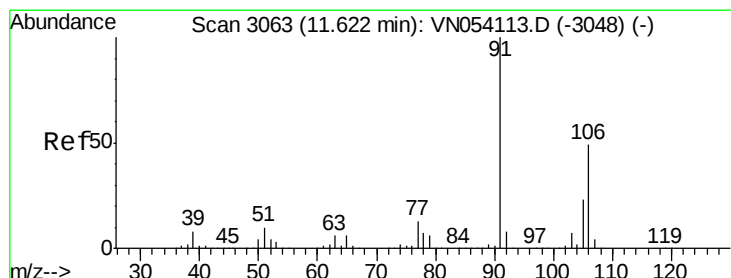
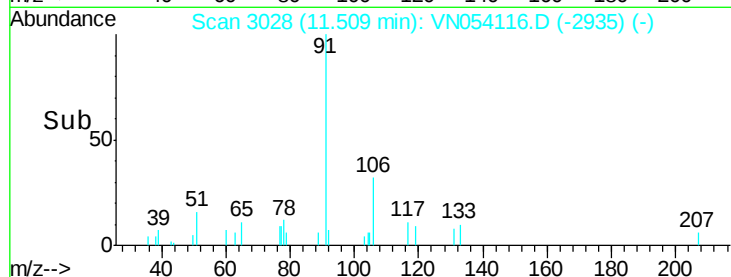
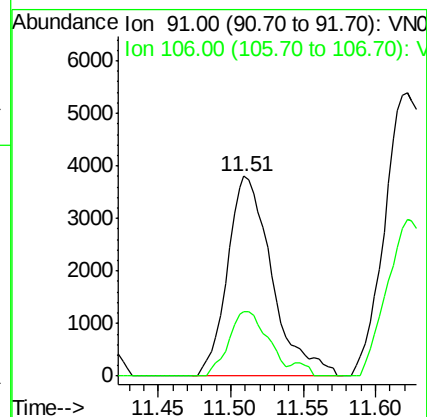
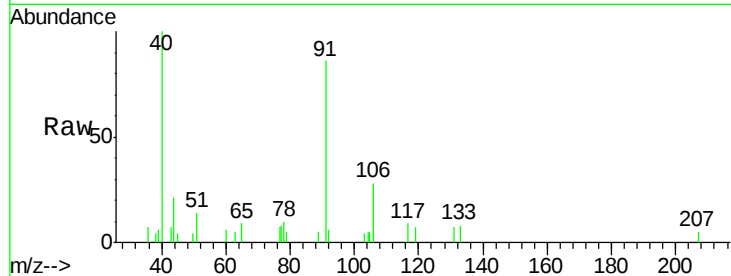
I.BLK

Tgt Ion: 91 Resp: 8071

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8



#68

m/p-Xylenes

Concen: 0.542 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054116.D

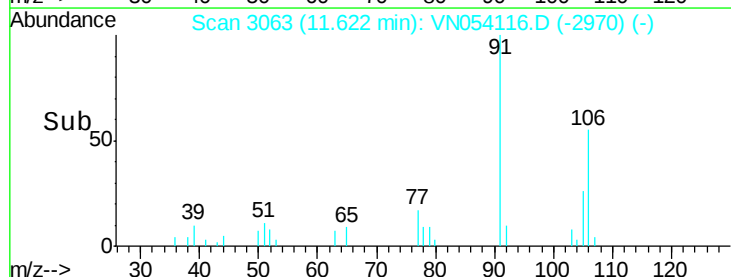
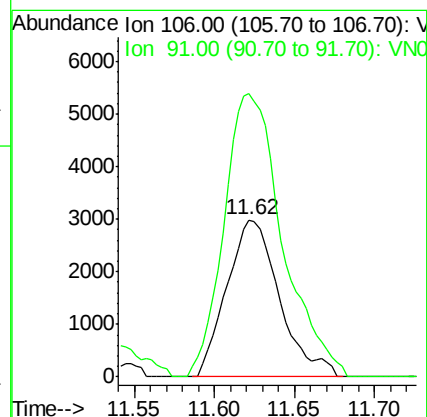
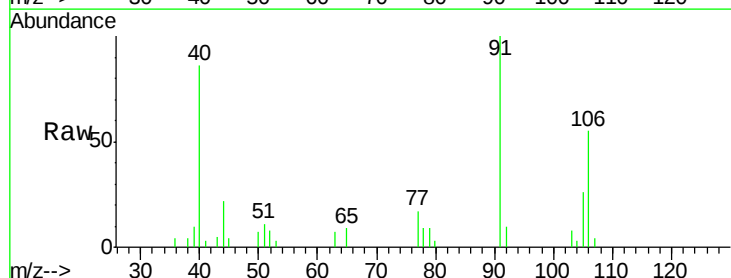
Acq: 6 Mar 2019 13:11

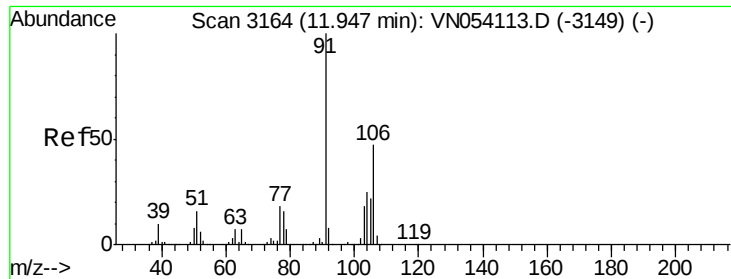
Tgt Ion: 106 Resp: 6721

Ion Ratio Lower Upper

106 100

91 200.6 163.2 244.8

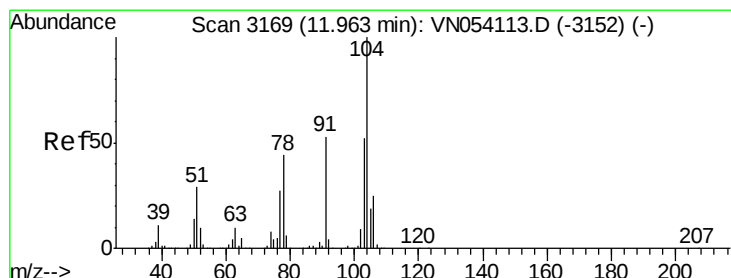
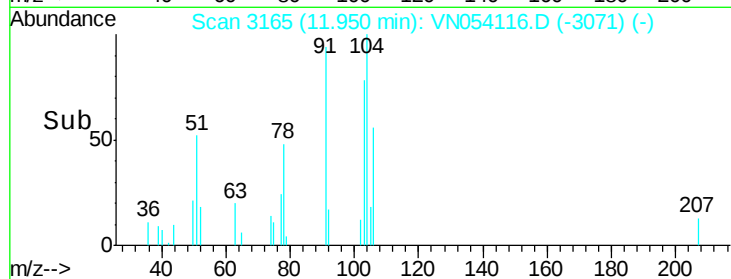
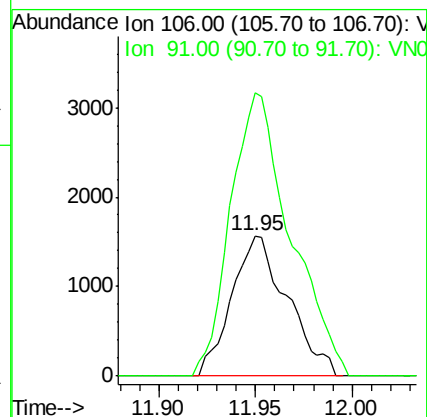
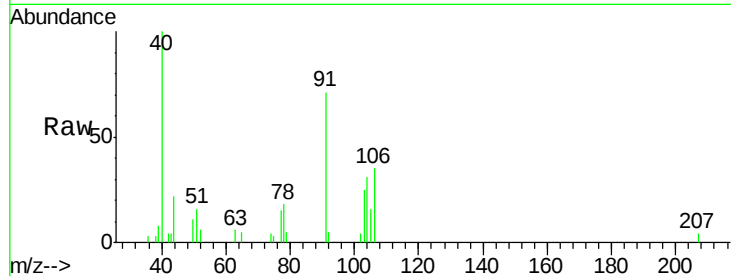




#69
o-Xylene
Concen: 0.262 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

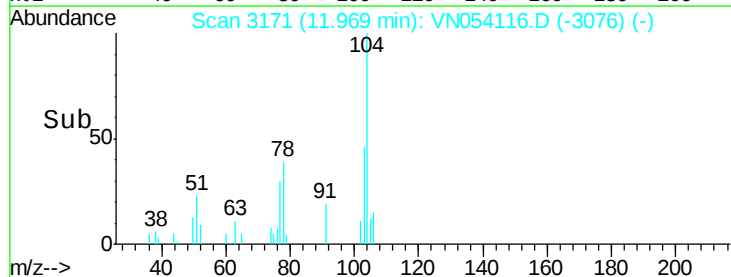
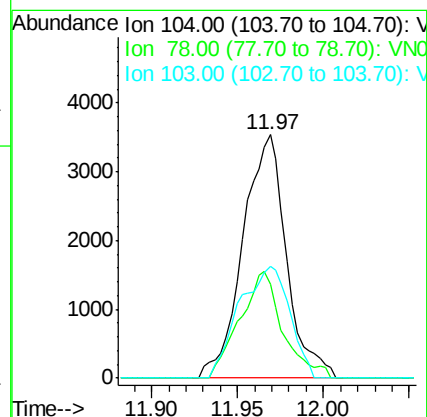
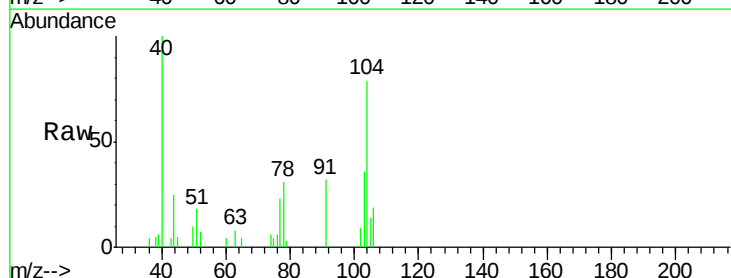
Instrument :
MSVOA_N
ClientSampled :
I.BLK

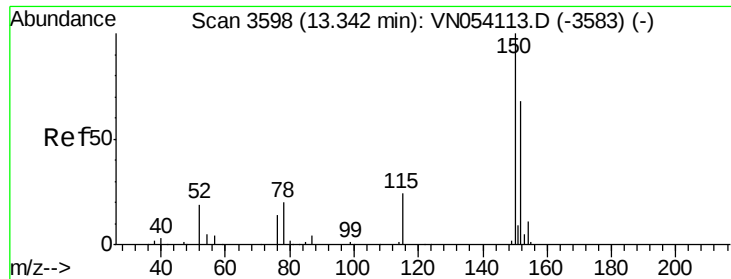
Tgt Ion:106 Resp: 3128
Ion Ratio Lower Upper
106 100
91 217.6 107.1 321.3



#70
Styrene
Concen: 0.328 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN054116.D
Acq: 6 Mar 2019 13:11

Tgt Ion:104 Resp: 6215
Ion Ratio Lower Upper
104 100
78 43.4 39.4 59.0
103 53.4 44.7 67.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

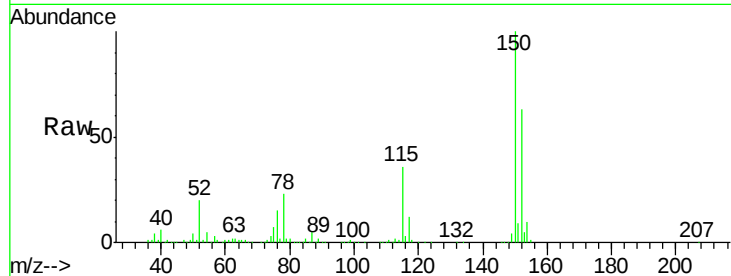
Tgt Ion:152 Resp: 327625

Ion Ratio Lower Upper

152 100

115 56.7 28.5 85.6

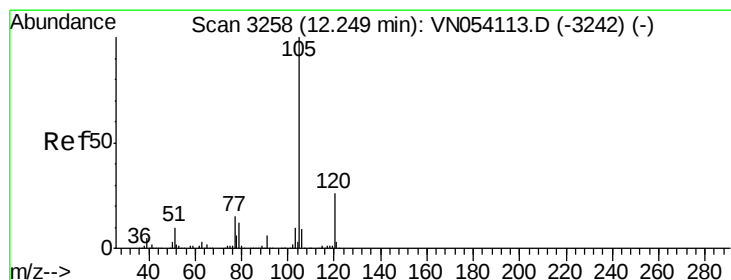
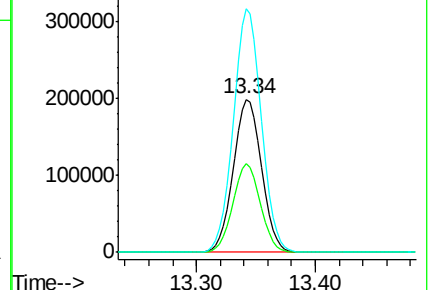
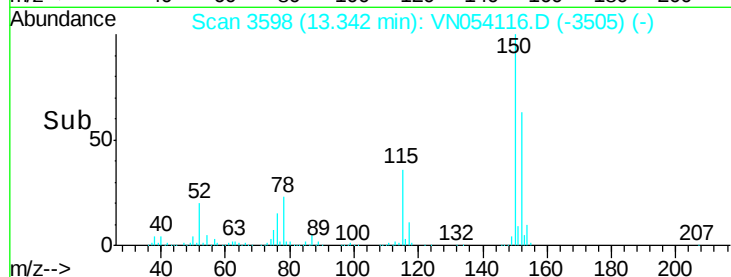
150 156.7 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.317 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN054116.D

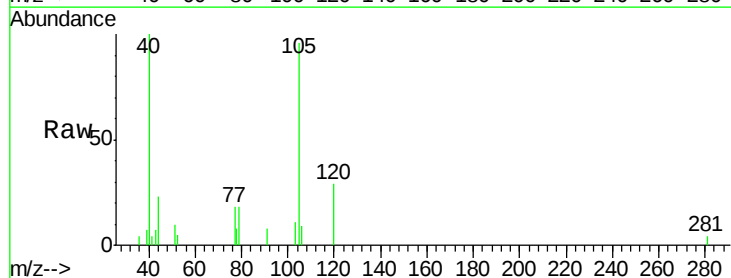
Acq: 6 Mar 2019 13:11

Tgt Ion:105 Resp: 8274

Ion Ratio Lower Upper

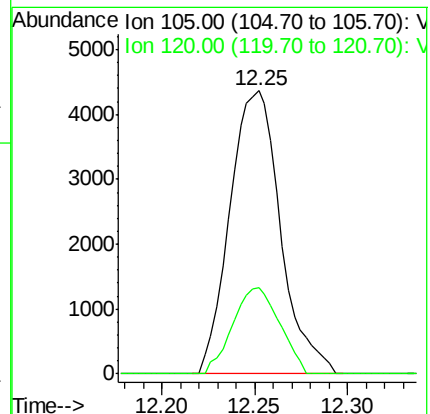
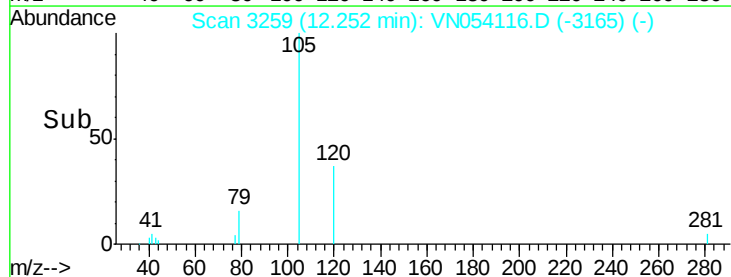
105 100

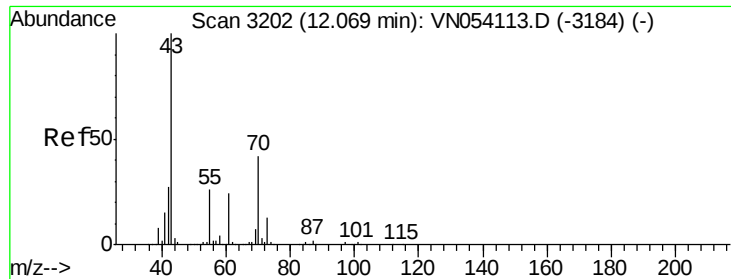
120 28.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 0.995 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

Tgt Ion: 43 Resp: 6873

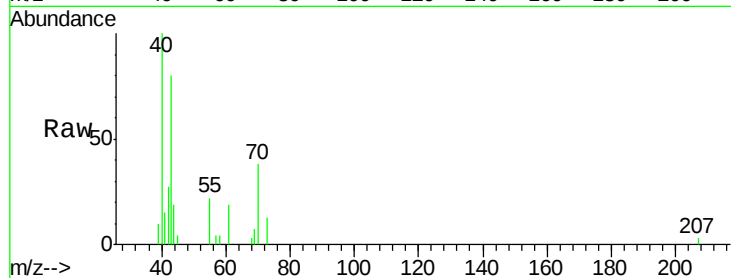
Ion Ratio Lower Upper

43 100

70 41.8 33.6 50.4

55 28.4 20.6 31.0

61 24.4 19.4 29.2

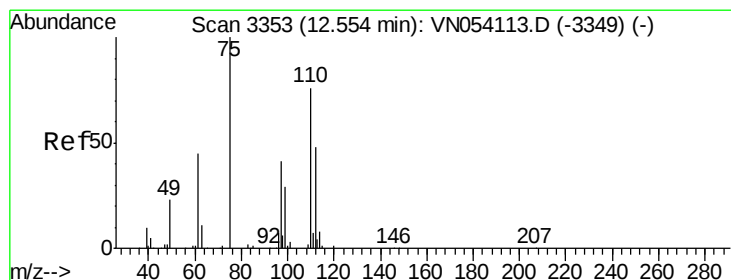
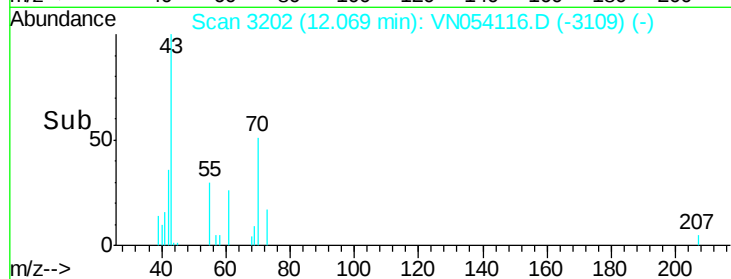
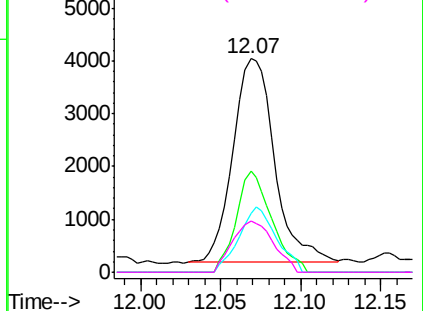


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 37.713 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054116.D

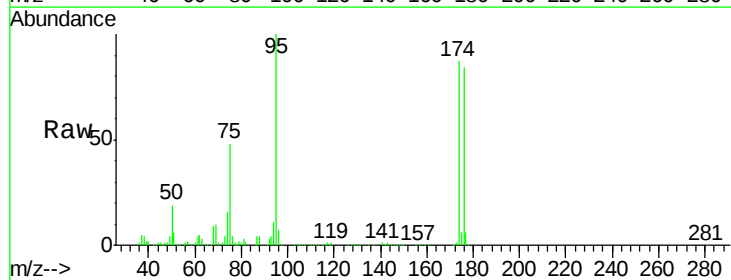
Acq: 6 Mar 2019 13:11

Tgt Ion: 75 Resp: 193182

Ion Ratio Lower Upper

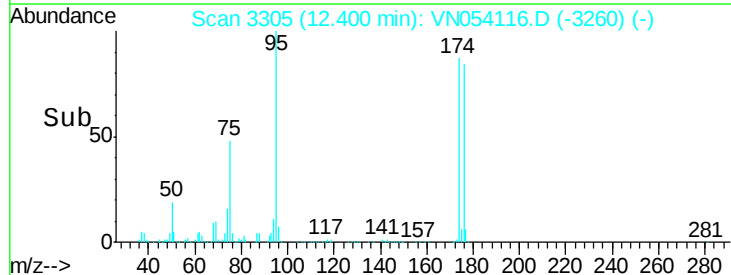
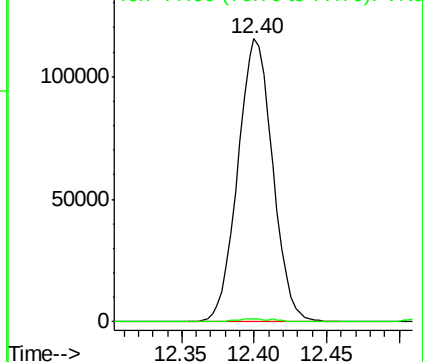
75 100

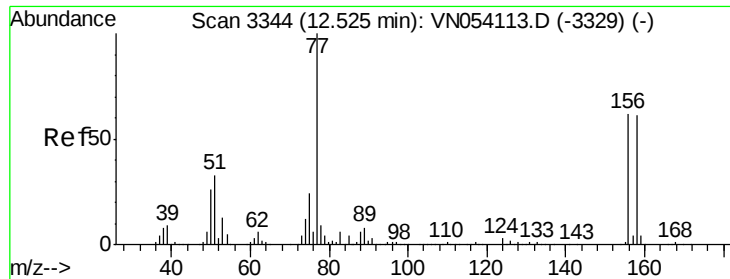
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.639 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

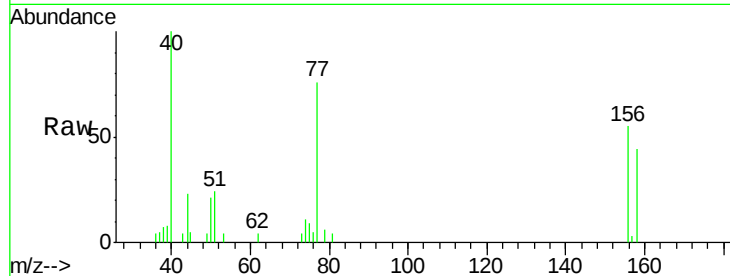
Tgt Ion:156 Resp: 4292

Ion Ratio Lower Upper

156 100

77 160.6 93.6 280.8

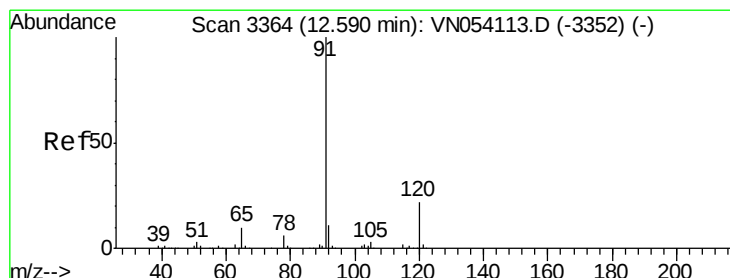
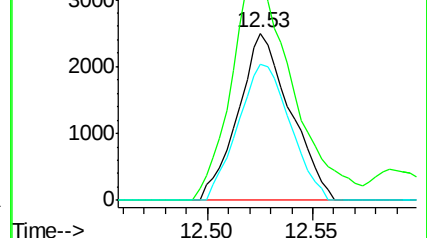
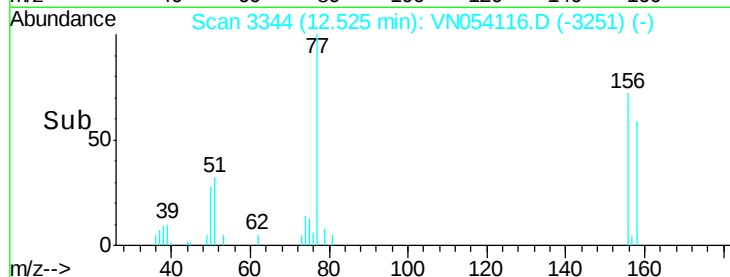
158 81.4 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.577 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054116.D

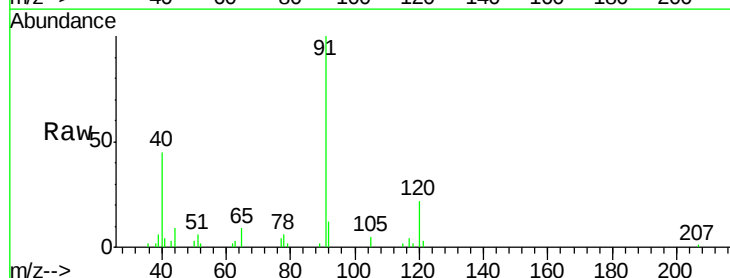
Acq: 6 Mar 2019 13:11

Tgt Ion: 91 Resp: 16921

Ion Ratio Lower Upper

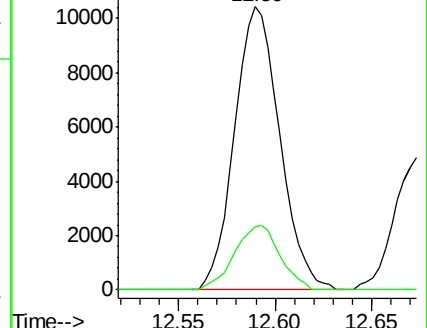
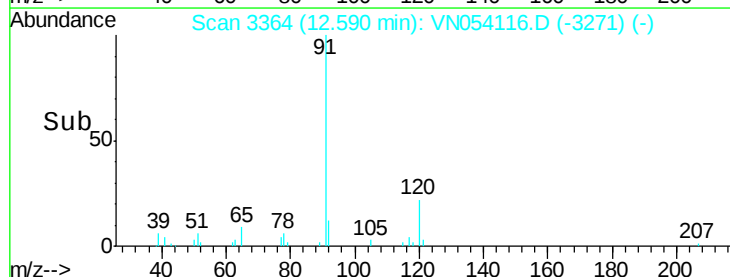
91 100

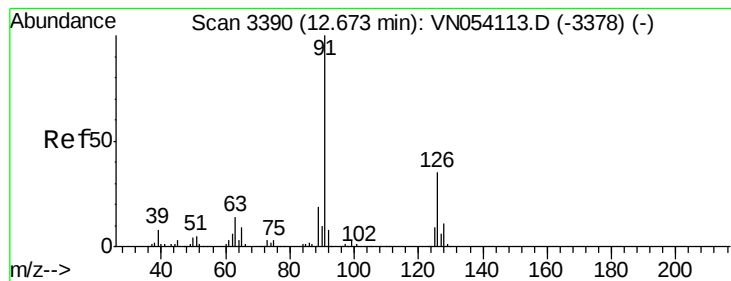
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.539 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

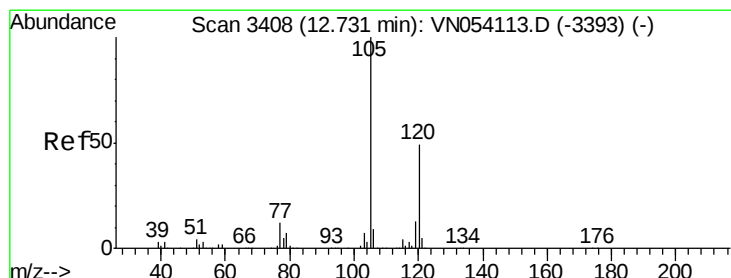
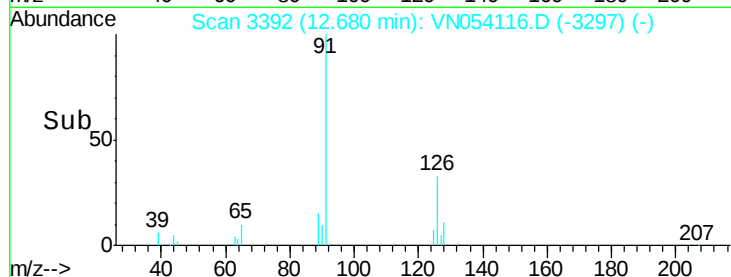
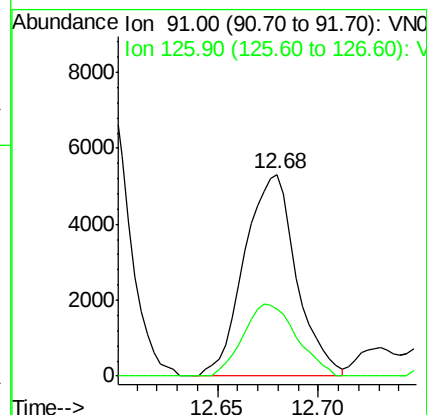
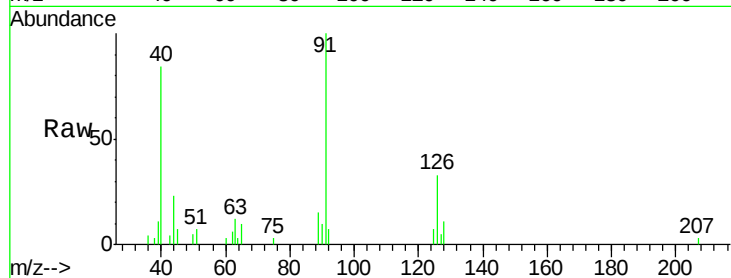
I.BLK

Tgt Ion: 91 Resp: 9604

Ion Ratio Lower Upper

91 100

126 36.7 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 0.449 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054116.D

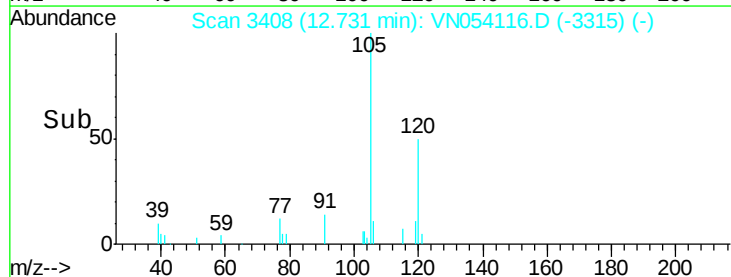
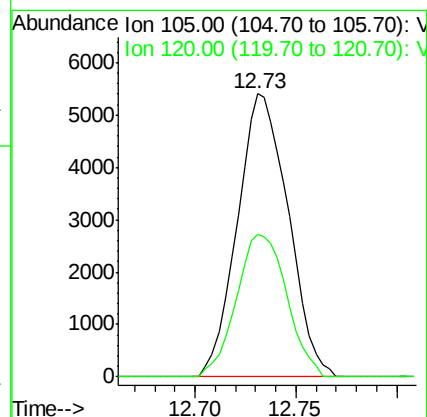
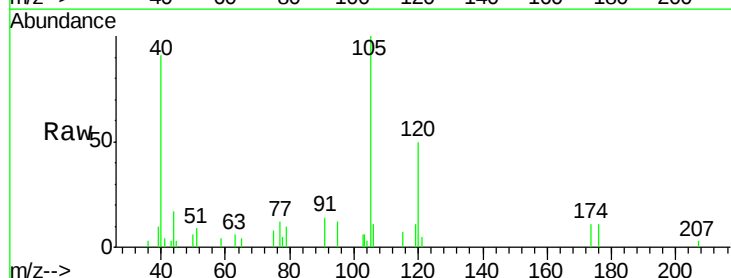
Acq: 6 Mar 2019 13:11

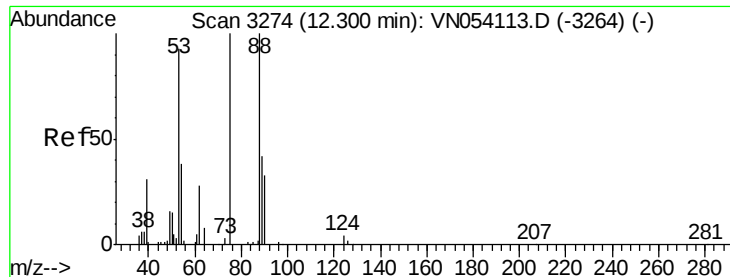
Tgt Ion: 105 Resp: 9513

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 118.819 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

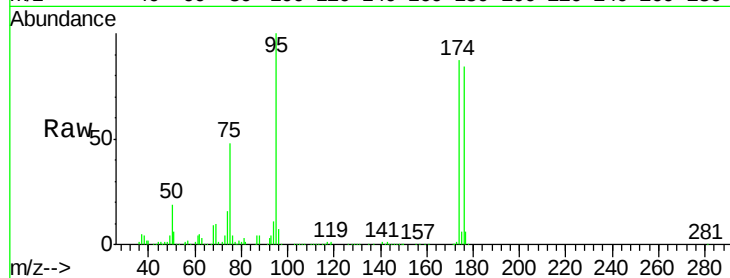
Tgt Ion: 75 Resp: 193182

Ion Ratio Lower Upper

75 100

53 0.0 76.4 114.6#

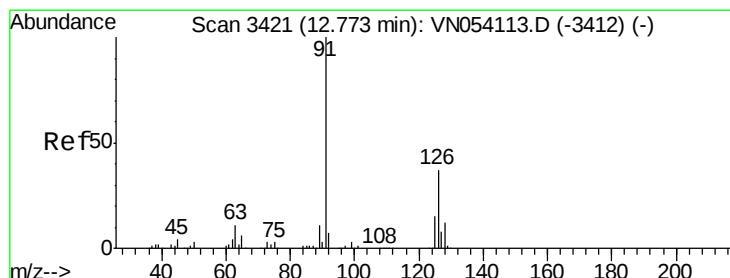
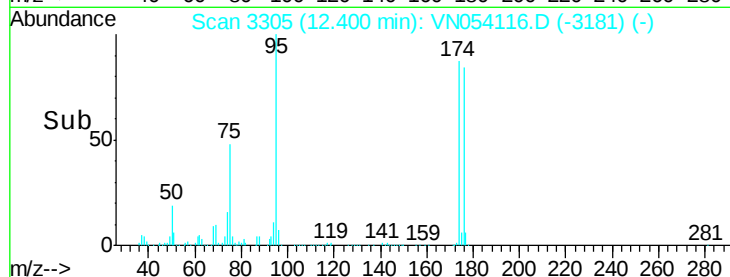
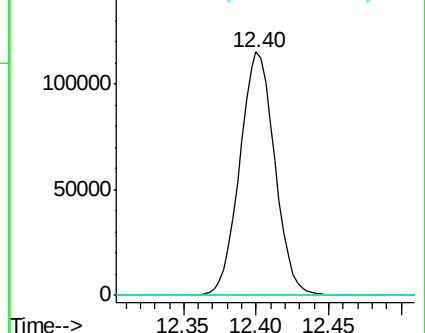
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.724 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054116.D

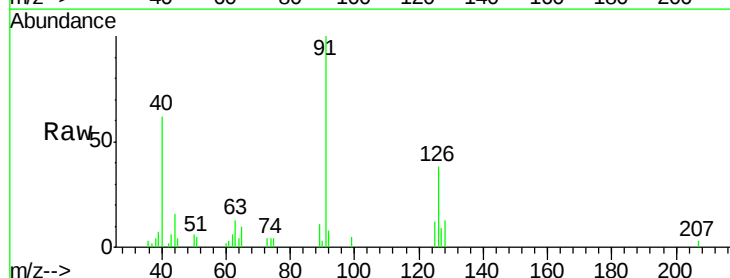
Acq: 6 Mar 2019 13:11

Tgt Ion: 91 Resp: 12866

Ion Ratio Lower Upper

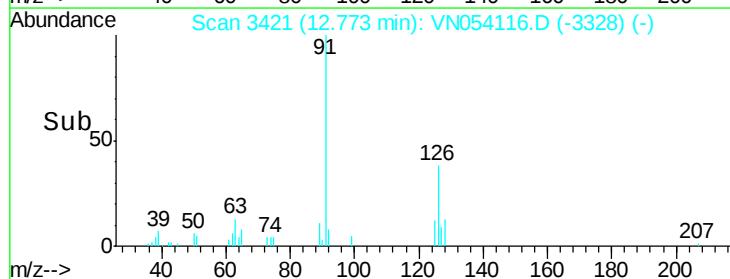
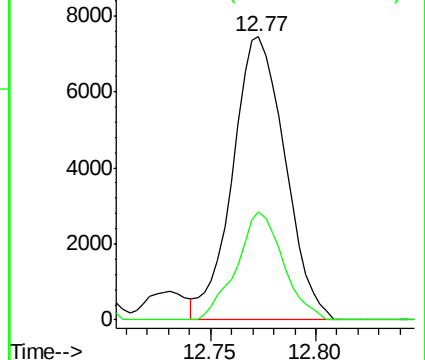
91 100

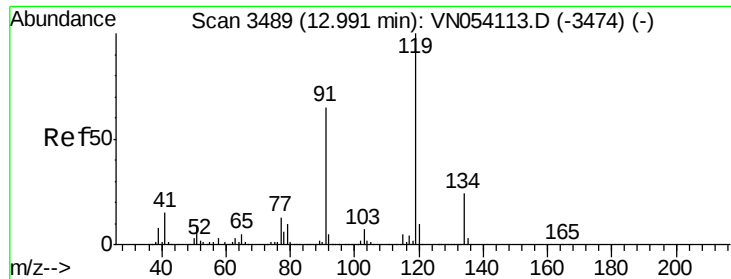
126 33.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

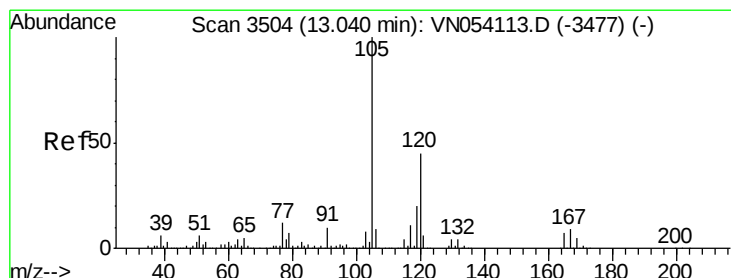
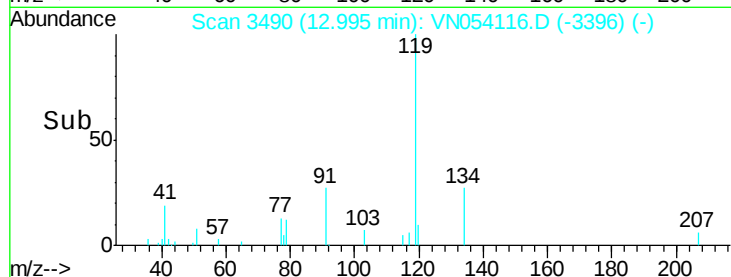
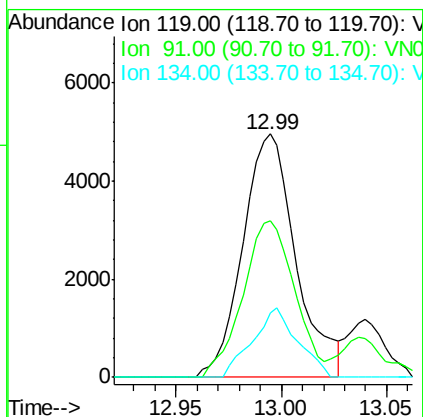
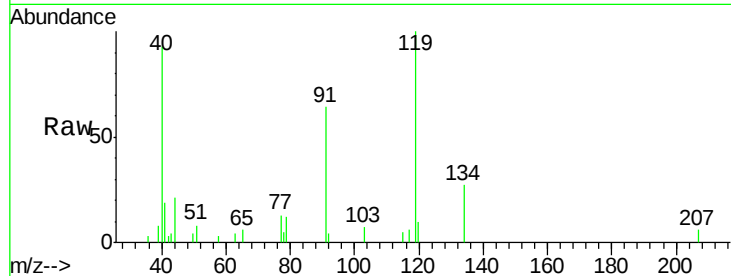




#83
 tert-Butylbenzene
 Concen: 0.464 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

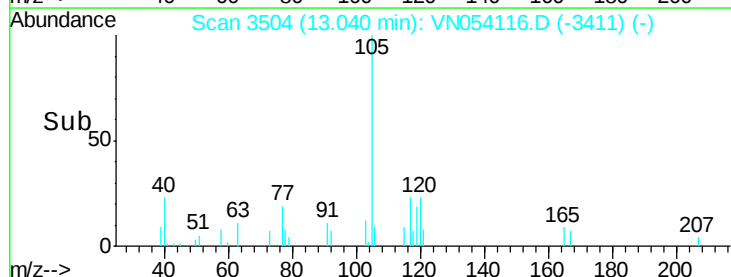
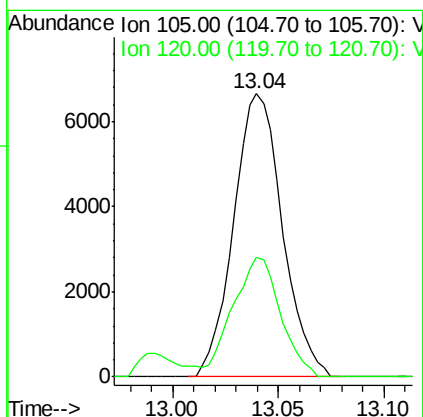
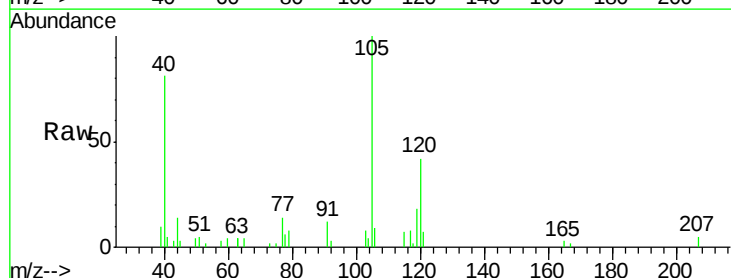
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

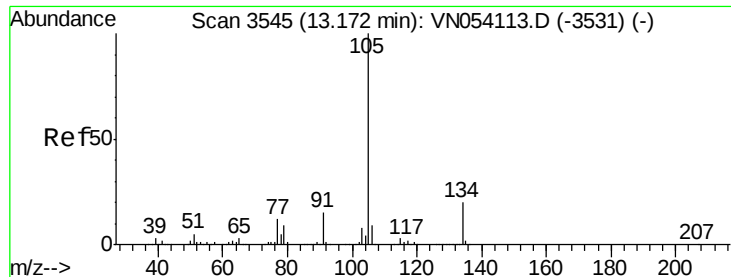
Tgt Ion:119 Resp: 8699
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.8 95.3
 134 24.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 0.508 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion:105 Resp: 10689
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.6 67.7

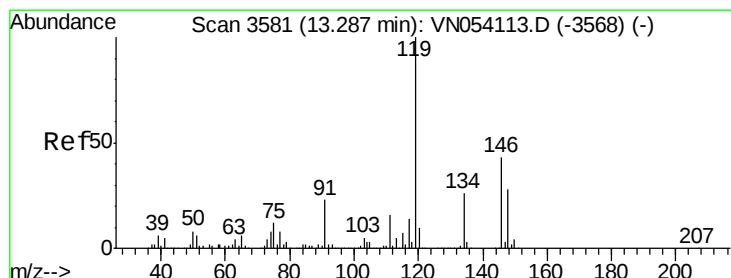
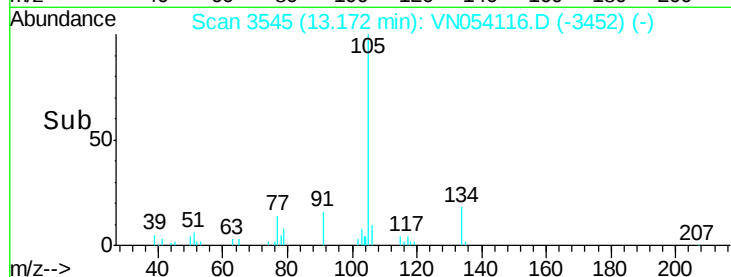
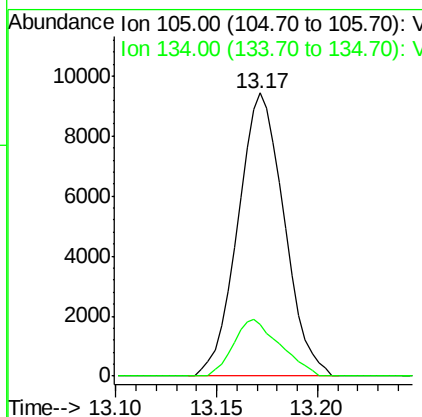
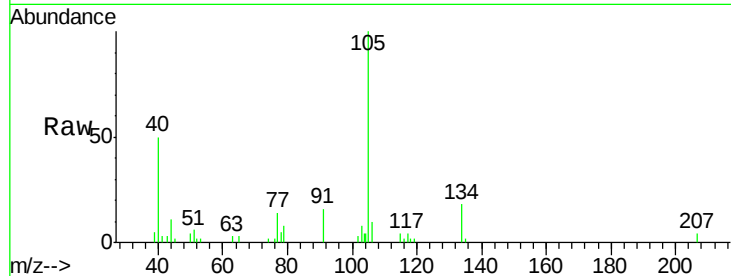




#85
 sec-Butylbenzene
 Concen: 0.594 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

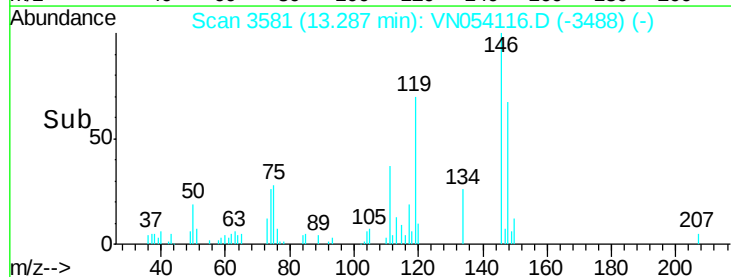
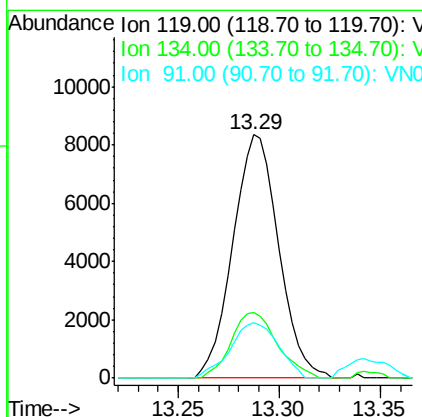
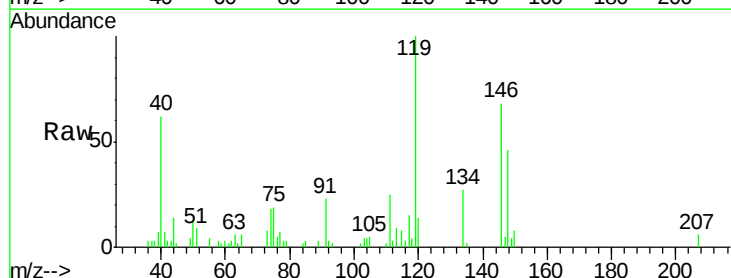
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

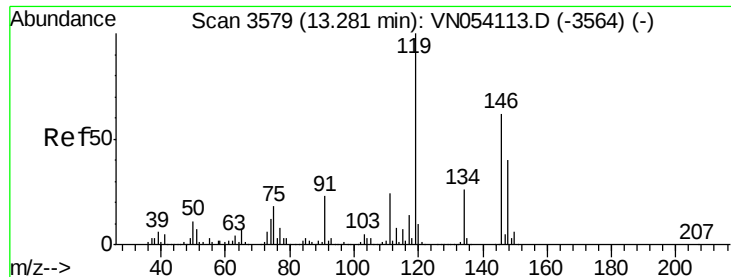
Tgt Ion:105 Resp: 15121
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 0.620 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion:119 Resp: 13275
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.2 39.5
 91 23.8 11.4 34.2

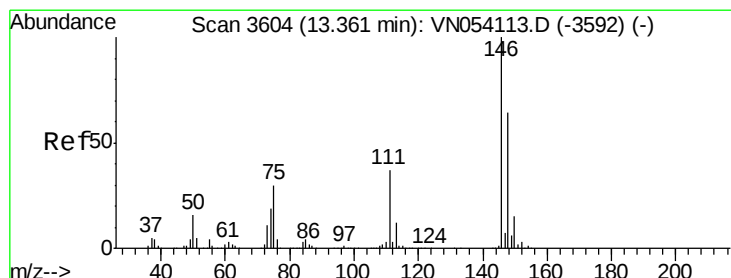
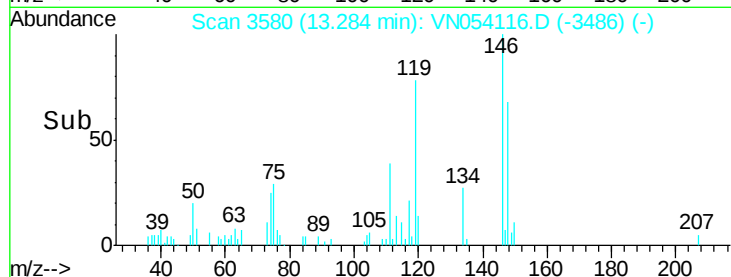
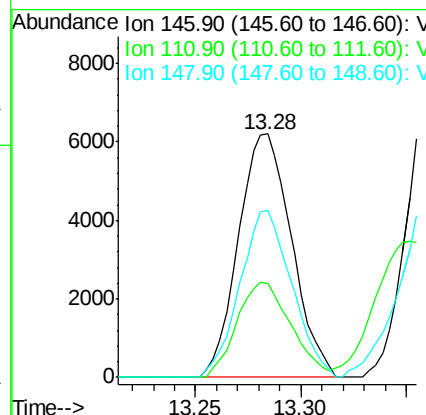
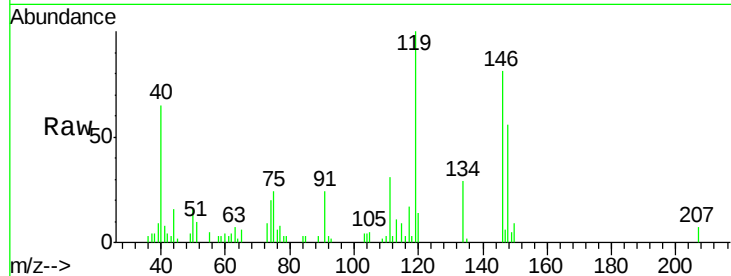




#87
 1,3-Dichlorobenzene
 Concen: 0.950 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

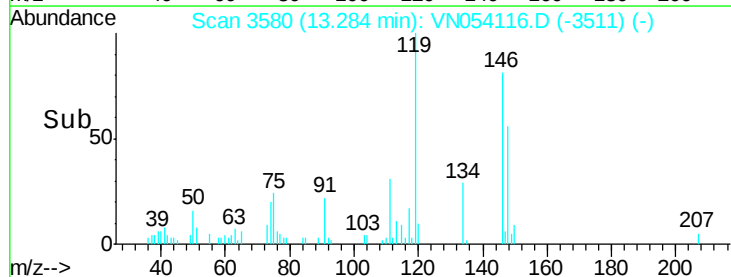
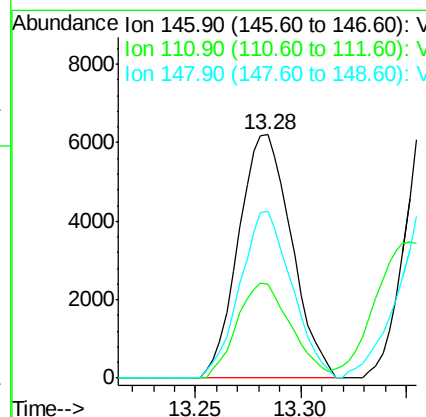
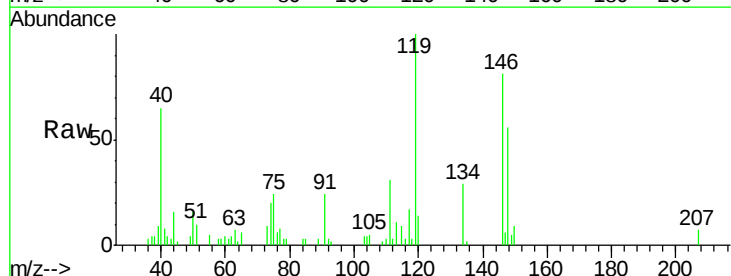
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

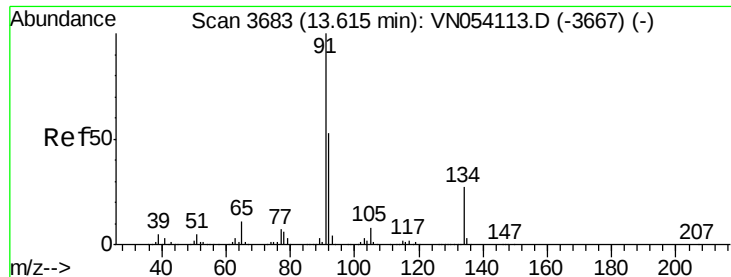
Tgt Ion:146 Resp: 10842
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.8
 148 67.0 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 0.958 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion:146 Resp: 10842
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.9 56.5
 148 67.0 32.1 96.5





#89

n-Butylbenzene

Concen: 1.208 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

I.BLK

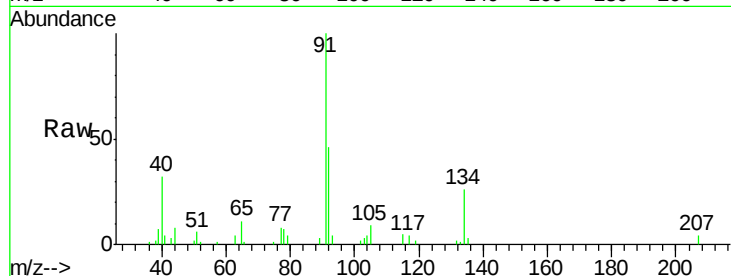
Tgt Ion: 91 Resp: 21834

Ion Ratio Lower Upper

91 100

92 50.5 26.0 78.0

134 25.4 13.1 39.1

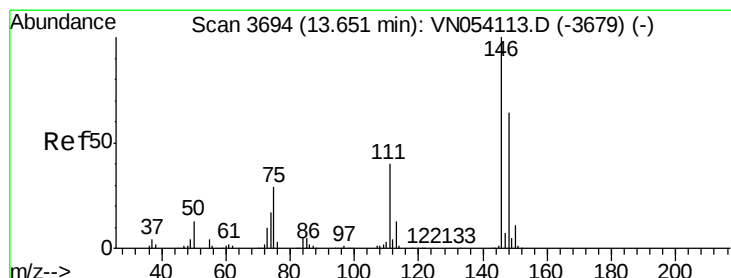
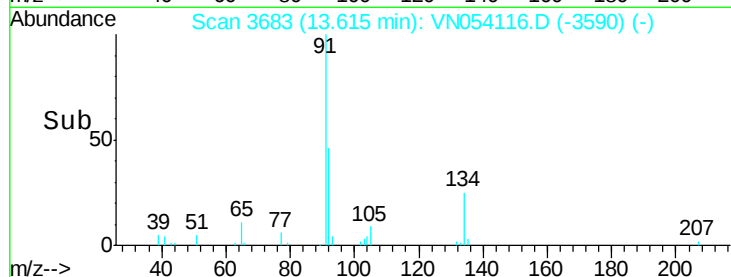


Abundance Ion 91.00 (90.70 to 91.70): VN054116.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054116.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054116.D (-3667) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.953 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

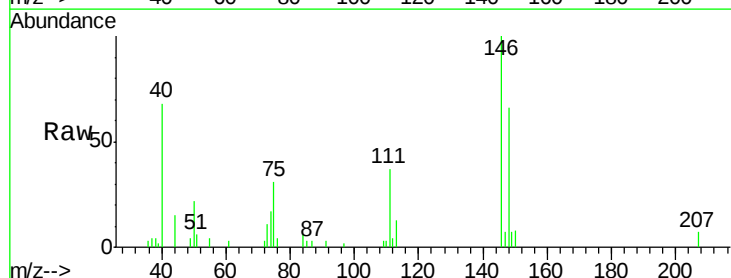
Tgt Ion: 146 Resp: 10827

Ion Ratio Lower Upper

146 100

111 43.5 20.0 60.0

148 70.2 32.3 96.9

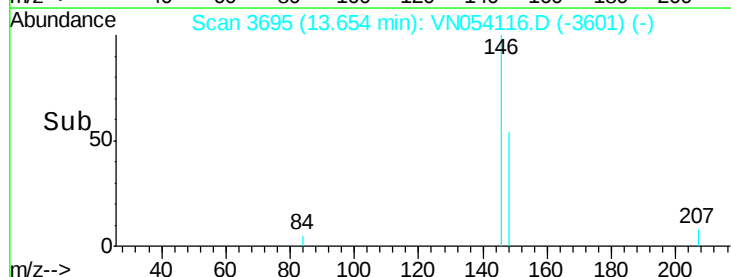


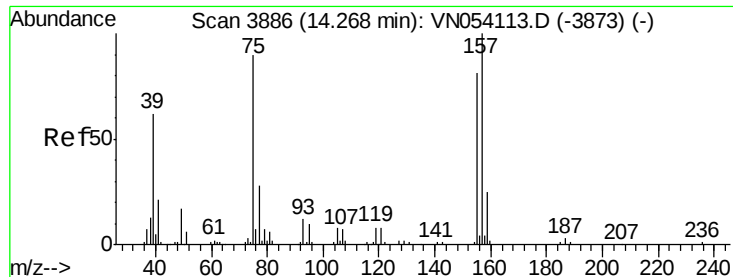
Abundance Ion 145.90 (145.60 to 146.60): VN054116.D (-3601) (-)

Ion 110.90 (110.60 to 111.60): VN054116.D (-3601) (-)

Ion 147.90 (147.60 to 148.60): VN054116.D (-3601) (-)

Time-->

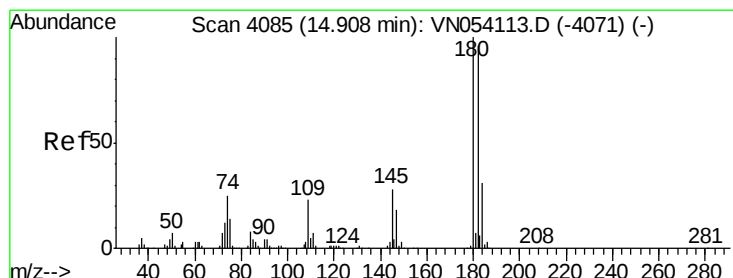
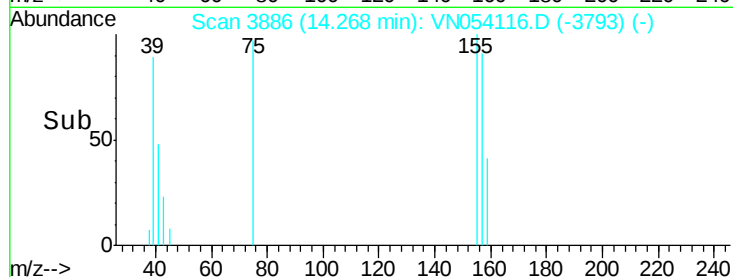
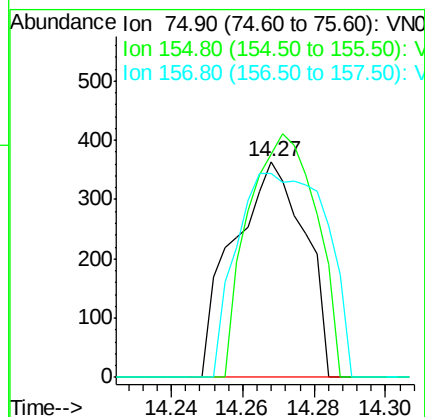
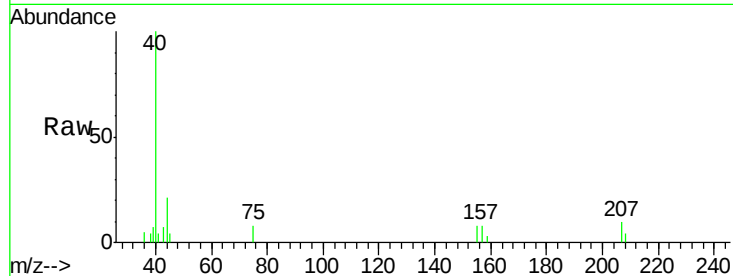




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.530 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

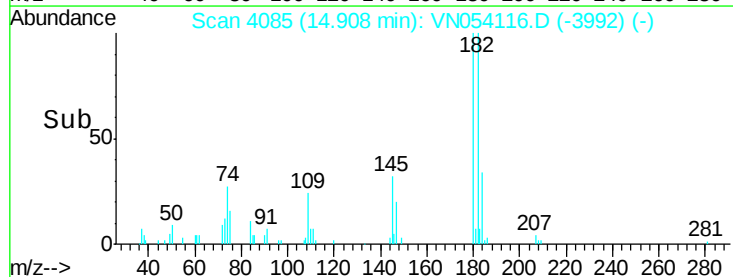
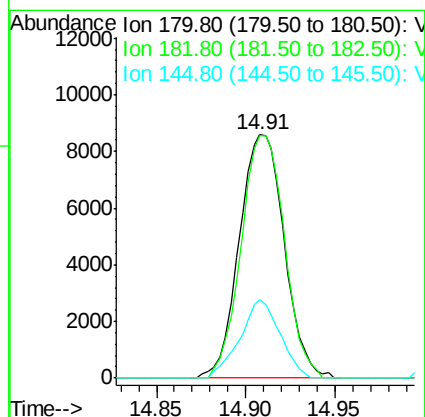
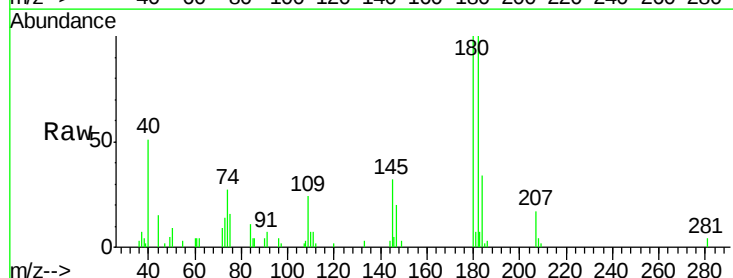
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

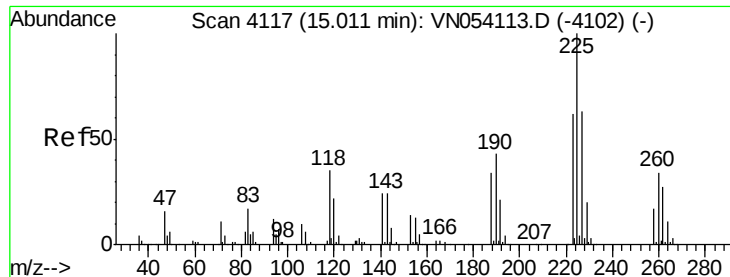
Tgt Ion: 75 Resp: 504
 Ion Ratio Lower Upper
 75 100
 155 107.3 44.5 133.5
 157 118.5 57.2 171.6



#93
 1,2,4-Trichlorobenzene
 Concen: 2.788 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Tgt Ion: 180 Resp: 15113
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.1 144.3
 145 28.7 13.9 41.7





#94

Hexachlorobutadiene

Concen: 2.040 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

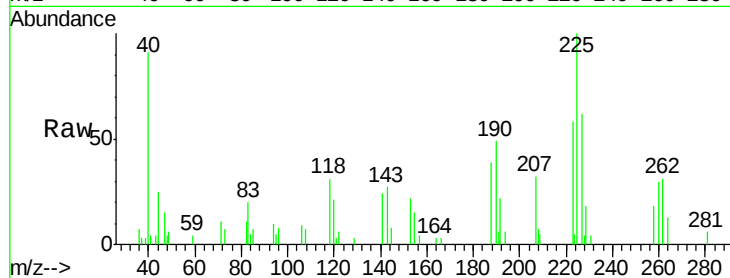
Tgt Ion:225 Resp: 8291

Ion Ratio Lower Upper

225 100

223 59.3 31.2 93.6

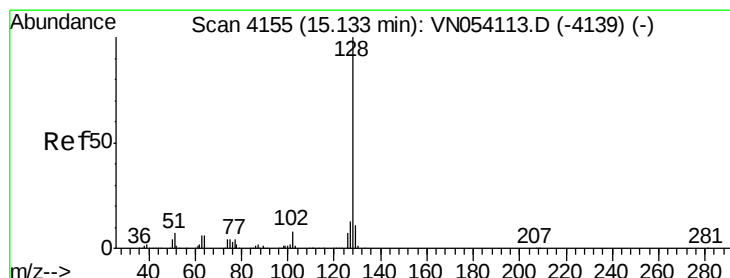
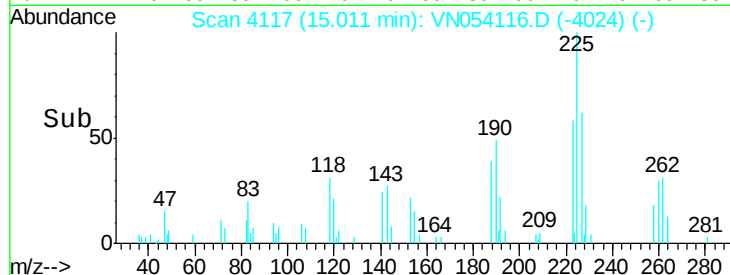
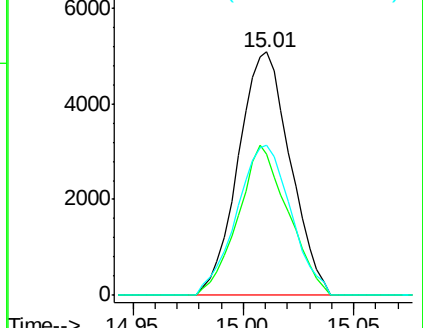
227 64.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.985 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054116.D

Acq: 6 Mar 2019 13:11

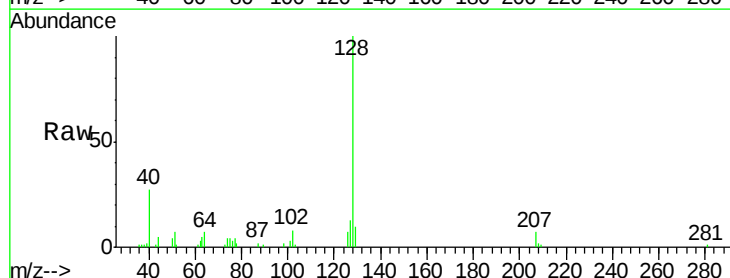
Tgt Ion:128 Resp: 33380

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

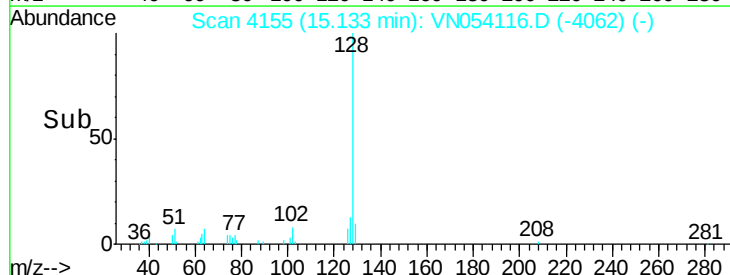
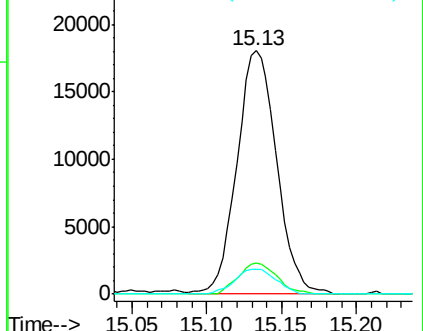
129 10.7 8.6 12.8

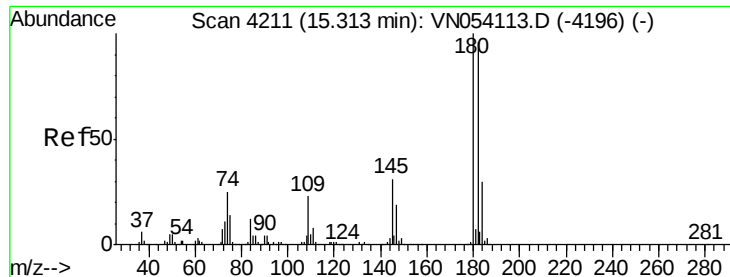


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

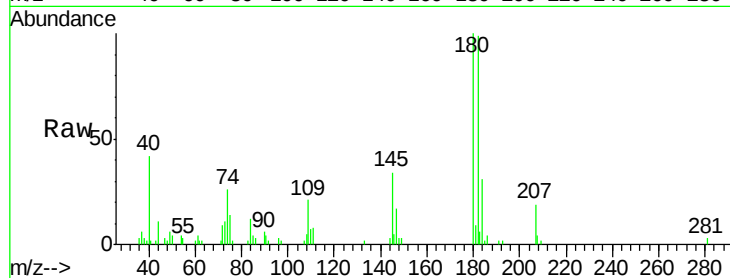




#96
 1,2,3-Trichlorobenzene
 Concen: 3.454 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054116.D
 Acq: 6 Mar 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	31.9	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

